

DEPARTMENT OF THE NAVY
SHIP WEATHER OBSERVATION SHEET

LT 2025
USS all times local. DATE (GMT) 25 August 19 67
AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS <input checked="" type="checkbox"/> IF ESTIMATED		VISI- BIL- ITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
<i>Red</i> 00	280	8	10		29.90	69	66	8	1000	SC		280		3			
01																	
02																	
03																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11	310	8	10		29.90	69	66	8	1000	SC	59	310		3			
12	310	8	10		29.91	69	66	10	1000	SC	59	310		3			
13	340	1	10		29.90	71	66	3	1000	SC	70.5	340		1-2			
14	340	6	10		29.87	74	72	4	1000	SC	72	340		1			
15	270	10	8		29.86	72	72	2	1000	SC	72	270		1-2			
16	350	9	10		29.84	72.5	69	1	1000	SC	72	350		2-3			
17	260	9	10		29.84	72	68	1	1000	SC	72	260		2-3			
18	245	12	10		29.84	67	64	1	500	st.	70	250		3-5			
19	290	20	10		29.86	63	62.5	4	1000	SC	65	310		3-5			
<i>33-57N</i> <i>120-20W</i> 20	320	16	10		29.86	63	62	7	1000	st/SC	62	315	3sec	3-5			
21	310	20	10		29.86	62	60	5	1000	st/SC	61	310	35sec	5-8			
<i>34-09N</i> <i>126-47.5W</i> 22	310	16	10		29.88	61	58	3	1000	st	61	310	35sec	8			
23	315	14	10		29.88	60	57	6	1000	st/SC	61	310	35sec	5-8			

TABLE II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	Day of Week (1-7) (GMT)	POSITION OF SHIP			TIME (GMT)	Total Cloud Amt. (Coded)	WIND		Visi- bil- ity (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					Course of Ship (0-9)	Speed of Ship (0-9)	3-HOUR PRESSURE TENDENCY		SIGNIFICANT CLOUD			
		Occi- tant (0-3) (5-8)	Latitude (Degrees and tenths)	Longitude (Degrees and tenths)			Direction (True) (00-36)	Speed (True) (Knots)		Present (00-99)	Post (0-9)			Barometer Corrected (Mb)	Amount of Low Cloud	Type of C _L (0-9)	Height of Low Cloud	Type of C _M (0-9)			Type of C _H (0-9)	Characteristic (0-8)	Amount of Change (Mb and tenths)	Indicator	Amount (Eights)	Type
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	Y	Q	L _s L _n L _o	L _o L _o L _o	GG	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	8	N _s	C	h _s h _s
SHIP					00																		8			
SHIP					06																		8			
SHIP					12																		8			
SHIP					18																		8			

Indicator	AIR- SEA DIFF. (Coded)	DEW POINT (°C)	SEA WAVES				SWELL WAVES				ICE ACCRETION				SEA ICE						DO NOT TRANSMIT		
			Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Source	Thickness	Rate	Indicator	Kind	Effect	Bearing	Distance	Orientation	Dry Bulb (Degrees and tenths)	Wet Bulb (Degrees and tenths)	Sea Water Temp. (Degrees and tenths)
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	A ₁	A ₂	A ₃
0	T _s T _s	T _d T _d	1	d _w d _w	P _w	H _w	1	d _w d _w	P _w	H _w	2	I _s	E _s E _s	R _s	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								

DEPARTMENT OF THE NAVY
SHIP WEATHER OBSERVATION SHEET

LT 2085
USS *all times local* DATE (GMT) *26 August* 19*67*
AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS IF ESTIMATED		VISI- BIL- ITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	310	16	10		29.88	63	60	6	500- 1000	st/sc	62	310	3 sec	5-8			
01	317	16	10		29.88	62	60	6	1000	st/sc	64	317	3 sec	5-8			
02	317	16	10		29.88	62	63	7	1000	st/sc	63	317	3 sec	5			
03	317	15	10		29.88	62	60	7	1000	st/sc	63	317	3 sec	5			
04	317	12	8		29.89	62	60	9	1000	st	62.5	317	3 sec	3			
05	320	12	8		29.89	62	60	9	1000	st	61.5	320	3 sec	3			
06	320	13	8		29.90	61	61	10	1000	st	61.5	320	3 sec	3			
07	315	11	8		29.91	61	59	10	1000	st	62	315		1			
08	315	10	8		29.92	61.5	59.5	10	800 1000	st	62	315		1	315		3
09	315	10	9		29.94	63	60	10	800 1000	st	62	315		1	315		5-5
10	315	8	8		29.94	64	60.5	10	1000	st	62	315		1	315		5-5
11	290	10	8		29.94	64	60.5	10	1000	st	62	315	3 sec	2	315		4-6
12	290	10	8		29.94	66	63.5	9	1000	st	62	315	3 sec	2			
13	290	10	8		29.94	65.5	61	8	1000	st/sc	62	315	3 sec	2			
14	290	9	8		29.94	67.5	63	8	1000	st/sc	62	310					
15	290	8	8		29.92	66.5	62	9	1000	sc	61	310					
16	290	10	8		29.90	66	61	9	1500	sc	62	310	5 sec	4 ft	310		1-2
17	290	10	10		29.89	66	61.5	3	1500	sc	63	310	5 sec	4 ft	310		1-2
18	290	9	10		29.89	66	62	6	1000	sc	65	310	1	1 ft			
19	290	9	10		29.89	66	62	1	1000	sc	65	310	-	1 ft			
20	300	6	10		29.93	65	61	1	1000	st	64.5	310	-	1 ft			
21	300	2-4	10		29.90	65	61	2	-	-	64.5	310	-	1 ft			
22	variable	2	10		29.92	65	61	2	-	-	64.3	310	-	1 ft	Less than 1 ft	Like Glass	
23	"	1-3	Unlimited		29.92	65	61	2	1000	sc	64.0	310	-	1 ft	Applied		

TABLE II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	Day of Week (1-7) (GMT)	POSITION OF SHIP			TIME (GMT)	Total Cloud Amt. (Coded)	WIND		Visi- bil- ity (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					Course of Ship (0-9)	Speed of Ship (0-9)	3-HOUR PRESSURE TENDENCY		SIGNIFICANT CLOUD			
		Oc- tant (0-3) (5-8)	Latitude (Degrees and tenths)	Longitude (Degrees and tenths)			Direction (True) (00-36)	Speed (True) (Knots)		Present (00-99)	Past (0-9)	Barometer Corrected (Mb)		Amount of Low Cloud (0-9)	Type of C _L (0-9)	Height of Low Cloud (0-9)	Type of C _M (0-9)	Type of C _H (0-9)			Characteristic (0-8)	Amount of Change (Mb and tenths)	Indicator	Amount (Eights)	Type	Height
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	Y	Q	L _s L _n L _a	L _o L _o L _o	GG	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	8	N _s	C	h _s h _s
SHIP					00																		8			
SHIP					06																		8			
SHIP					12																		8			
SHIP					18																		8			

Indicator	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	SEA WAVES				SWELL WAVES				ICE ACCRETION				SEA ICE						DO NOT TRANSMIT		
			Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Source	Thickness	Rate	Indicator	Kind	Effect	Bearing	Distance	Orientation	Dry Bulb (Degrees and tenths)	Wet Bulb (Degrees and tenths)	Sea Water Temp. (Degrees and tenths)
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	A ₁	A ₂	A ₃
0	T _s T _s	T _d T _d	1	d _w d _w	P _w	H _w	1	d _w d _w	P _w	H _w	2	I _s	E _s E _s	R _s	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								

DEPARTMENT OF THE NAVY
SHIP WEATHER OBSERVATION SHEET

LT 2085
USS ALL Times Local DATE (GMT) 27 Aug 19 67
AT/PASSAGE FROM ops TO _____

TABLE I

TIME (GMT)	WINDS		VISI-BIL-ITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	270	8	8		29.92	65.5	60	9	1000	SC	65						
01	270	8	8		29.90	65.5	60	9	1000	SC	65						
02	270	8	8		29.90	65.5	61	10	1000	SC	65						
03	270	8	8		29.88	65	60	10	1000	SC	65						
04	270	7	8		29.88	65.5	60.5	10	1000	SC	65						
05	270	7	8		29.86	66	60.5	10	1000	SC	65						
06	270	5	8		29.86	65.5	60.5	10	1000	SC	65						
07	270	5	8		29.86	66	61.5	10	1000	SC	65						
08	270	8	8		29.88	67	60.5	10	1000	SC	64	290	65sec	4ft	290	-	1ft
09	270	5	8		29.88	68	63	10	1000	SC	64	290	65sec	4ft	290	-	1ft
10	270	5	8		29.89	68	63.5	10	1000	SC	64	290	65sec	4ft	290	-	1ft
11	180	5	8		29.89	68	65	10	1000	SC/ST	65	290					
12	180	6	8		29.89	71	65.5	10	1000	ST	65	290		1	290		5
13	180	6	8		29.89	70.5	64	10	1000	ST	66	290		1	290		5
14	190	4	8		29.88	71	65.5	10	1000	ST	65	290		1	290		3
15	—	0	8		29.87	75.5	68.5	10	1800	AC	65	320		1	320		5
16	090	0	8		29.86	73.5	70	10		AC	65						
17	090	0	8		29.86	74.5	68	4	2000	AC/AS	67	180		1	000	3sec	3
18	094	0	8		29.84	74	69	4	2000	AC/AS	66	210		1	000	3sec	3
19	094	0	8		29.84	71.5	69.5	4	2000	AC/AS	65	220		1	000	3sec	3
20	200	4	10		29.84	73	67.5	2	2000	AC/AS	65	250		1	000	3sec	3
21	220	4	10		29.86	71	66	2	2000	AC/AS	65	250		1	000	3sec	3
22	230	4	10		29.88	69	65	1	—	AC	65	250	Leather 1ft		000	3sec	3
23	250	2.5	10		29.88	68	66	2	2500	AC	65	260	" "		000	3sec	2

TABLE II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	Day of Week (1-7) (GMT)	POSITION OF SHIP			TIME (GMT)	Total Cloud Amt. (Coded)	WIND		Visi-bil-ity (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					Course of Ship (0-9)	Speed of Ship (0-9)	3-HOUR PRESSURE TENDENCY		SIGNIFICANT CLOUD			
		Occi-ent (0-3) (5-8)	Latitude (Degrees and tenths)	Longitude (Degrees and tenths)			Direction (True) (00-36)	Speed (True) (Knots)		Present (00-99)	Past (0-9)			Amount of Low Cloud (0-9)	Type of CL (0-9)	Height of Low Cloud (0-9)	Type of C _M (0-9)	Type of C _H (0-9)			Characteristic (0-8)	Amount of Change (Mb and tenths)	Indicator	Amount (Eights)	Type	Height
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	Y	Q	L ₃ L ₂ L ₁	L ₀ L ₀ L ₀	GG	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	8	N _s	C	h _s h _s
SHIP					00																		8			
SHIP					06																		8			
SHIP					12																		8			
SHIP					18																		8			

Indicator	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	SEA WAVES				SWELL WAVES				ICE ACCRETION				SEA ICE						DO NOT TRANSMIT		
			Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Source	Thickness	Rate	Indicator	Kind	Effect	Bearing	Distance	Orientation	Dry Bulb (Degrees and tenths)	Wet Bulb (Degrees and tenths)	Sea Water Temp. (Degrees and tenths)
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	A ₁	A ₂	A ₃
0	T _s T _s	T _d T _d	1	d _w d _w	P _w	H _w	1	d _w d _w	P _w	H _w	2	I _s	E _s E _s	R _s	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								

DEPARTMENT OF THE NAVY
SHIP WEATHER OBSERVATION SHEET

LT 2085
USS ALL TIMES LOCAL DATE (GMT) 28 AUG 19 67
AT/PASSAGE FROM OPS TO

TABLE I																	
TIME (GMT)	WINDS ✓ IF ESTIMATED		VISI- BIL- ITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	250	25	10		29.88	70	66	1	2500	ac	66	260					
01	260	2	10		29.88	70	66	1	2500	ac	66	260					
02	260	1	10		29.87	74	69	1	2500	ac	64	260					
03	260	1	10		29.87	71.5	67	2	2500	ac	65	260					
04	—	0	10		29.86	69	66	1	3500	AC	64						
05		0	10		29.86	67	65.5	8			65						
06		0	10		29.86	65	63.5	1			65						
07	050	3	10		29.88	64.5	63.5	9	21,000	CIRRS	64	260		1	300		3
08	050	2	10		29.90	65.5	64.5				65						
09	050	2	10		29.90	65	63.5				65						
10	050	3	10		29.90	65	63.5				65						
11	050	3	10		29.92	64.5	63				65						
12	330	7	10		29.91	65	63	1			65	260		1			
13	330	7	10		29.90	65	62	1			65	260		1			
14	345	12	10		29.91	65.5	63.5	0			64	345		1			
15	345	12	10		29.89	65	63	0			65	345		1-3			
16	350	10	10		29.89	65	63	0			65	345		1-3	345		3-4
17	350	10	10		29.88	64.5	63.5	0			65	345		1-3	345		3-5
18	355	10	10		29.87	65	63.5	0			64	350		1-3	350		3-5
19	360	10	10		29.85	63	62	0			64	350		1-3	350		3-5
20	355	14	10		29.86	62	60	0	—		64	350		1-2	350	45sec	3-4
21	355	14	10		29.86	64	62	0	—		62	350		1-2	350	45sec	3-4
22	355	20	10		29.86	64	62	0	—		64	350		1-2	350	45sec	4 ft
23	355	20	10		29.86	64	62	0	—		64	350		1-2	350	45sec	4 ft

TABLE II SYNOPTIC OBSERVATIONS																											
FIRST GROUP OF MESSAGE	Day of Week (1-7) (GMT)	POSITION OF SHIP			TIME (GMT)	Total Cloud Amt. (Coded)	WIND		Visi- bil- ity (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					Course of Ship (0-9)	Speed of Ship (0-9)	3-HOUR PRESSURE TENDENCY		SIGNIFICANT CLOUD				
		Occ- tant (0-3) (5-8)	Latitude (Degrees and tenths)	Longitude (Degrees and tenths)			Direction (True) (00-36)	Speed (True) (Knots)		Present (00-99)	Past (0-9)			Barometer Corrected (Mb)	Amount of Low Cloud	Type of C _L (0-9)	Height of Low Cloud	Type of C _M (0-9)			Type of C _H (0-9)	Characteristic (0-8)	Amount of Change (Mb and tenths)	Indicator	Amount (Eights)	Type	Height
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
	Y	Q	L _s L _n L _o	L _o L _o L _o	GG	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	8	N _s	C	h _s h _s	
SHIP					00																		8				
SHIP					06																		8				
SHIP					12																		8				
SHIP					18																		8				

Indicator	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	SEA WAVES				SWELL WAVES				ICE ACCRETION				SEA ICE						DO NOT TRANSMIT		
			Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Source	Thickness	Rate	Indicator	Kind	Effect	Bearing	Distance	Orientation	Dry Bulb (Degrees and tenths)	Wet Bulb (Degrees and tenths)	Sea Water Temp. (Degrees and tenths)
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	A ₁	A ₂	A ₃
0	T _s T _s	T _d T _d	1	d _w d _w	P _w	H _w	1	d _w d _w	P _w	H _w	2	I _s	E _s E _s	R _s	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								

DEPARTMENT OF THE NAVY
SHIP WEATHER OBSERVATION SHEET

USS LT 2085 ALL TIMES LOCAL DATE (GMT) 29 AUG 19 67
AT/PASSAGE FROM OPS. TO _____

TABLE I																	
TIME (GMT)	WINDS <input type="checkbox"/> IF ESTIMATED		VISI- BIL- ITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	355	20	10		29.86	64	62	0	—		64	350		1-2	350	4.5 sec	4 ft
01	355	22	10		29.86	64.5	63	0	—		64	350		1-2	350	4.5 sec	4 ft
02	355	22	10		29.86	64.5	62	0	—		63	350		1-2	350	4.5 sec	4 ft
03	355	22	10		29.84	64	61.5	0	—		63	350		1-2	350	4.5 sec	4 ft
04	240	15	10		29.84	64	61	0			62	240		5-8	240		
05	230	15	10		29.84	64	62	0			63	230		5-8	230		
06																	
07																	
08																	
09																	
10																	
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20																	
21																	
22																	
23																	

TABLE II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	Day of Week (1-7) (GMT)	POSITION OF SHIP			TIME (GMT)	Total Cloud Amt. (Coded)	WIND		Visi- bil- ity (90-99)	WEATHER		PRESSURE Barometer Corrected (Mb)	AIR TEMP. (°C)	CLOUDS					Course of Ship (0-9)	Speed of Ship (0-9)	3-HOUR PRESSURE TENDENCY		SIGNIFICANT CLOUD			
		Occi- tant (0-3) (5-8)	Latitude (Degrees and tenths)	Longitude (Degrees and tenths)			Direction (True) (00-36)	Speed (True) (Knots)		Present (00-99)	Past (0-9)			Amount of Low Cloud (0-9)	Type of CL (0-9)	Height of Low Cloud (0-9)	Type of CM (0-9)	Type of CH (0-9)			Characteristic (0-8)	Amount of Change (Mb and tenths)	Indicator	Amount (Eights)	Type	Height
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	Y	Q	L ₃ L _n L _o	L _o L _o L _o	GG	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	8	N _s	C	h _s h _s
SHIP					00																		8			
SHIP					06																		8			
SHIP					12																		8			
SHIP					18																		8			

Indicator	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	SEA WAVES				SWELL WAVES				ICE ACCRETION				SEA ICE						DO NOT TRANSMIT		
			Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Direction (Coded)	Period (Coded)	Height (Coded)	Indicator	Source	Thickness	Rate	Indicator	Kind	Effect	Bearing	Distance	Orientation	Dry Bulb (Degrees and tenths)	Wet Bulb (Degrees and tenths)	Sea Water Temp. (Degrees and tenths)
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	A ₁	A ₂	A ₃
0	T _s T _s	T _d T _d	1	d _w d _w	P _w	H _w	1	d _w d _w	P _w	H _w	2	I _s	E _s E _s	R _s	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								
0			1				1				2				ICE								

USS GRANVILLE S. HALL YAG-40
NAVAL WEATHER SERVICE

FOR OFFICIAL USE ONLY

30 August 1967

SYNOPTIC SITUATION

A weak, stationary high pressure cell is centered about 500 miles west of the operating area. A deep low pressure system is centered about 600 miles south of Fairbanks, Alaska with an associated frontal system extending southward to about 300 miles west of Ocean Station November. This is moving east-northeast. A Tropical Storm has developed on the Equatorial Front, about 300 miles west of Acapulco and is expected to move west-northwest at about 10 knots.

TODAY 0800-1800L

SKY/WEATHER: Cloudy with isolated showers.
VISIBILITY: 8-10 miles except briefly 3-5 miles in shower areas.
Sfc. WINDS: Northerly 18-25 knots becoming north to northeast by end of period.
SEA/SWELL: Northerly 4-6 Feet.
MAX TEMP: 70 degrees.

TONIGHT 1800-0600L

SKY/WEATHER: Mostly cloudy with isolated showers becoming partly cloudy after mid period.
VISIBILITY: 8-10 miles reduced briefly to near 3 miles in showers.
SFC WINDS: North to northeast 15-20 knots.
SEA/SWELL: Northerly 4-5 feet.
MIN TEMP: 63 degrees.

Outlook for Tomorrow

Little change except winds becoming more northeasterly.

WEATHER IN VICINITY OF LT'S

Mostly clear with visibility 3-5 miles in haze. Winds west to northwest 8-14 knots. Seas northwesterly 3-5 feet.

Forecaster: R. P. FRANK, AGC

USS GRANVILLE S. HALL YAG-40
NAVAL WEATHER SERVICE

FOR OFFICIAL USE ONLY

31 AUGUST 1967

SYNOPTIC SITUATION

WEAK HIGH PRESSURE CONTINUES TO PREVAIL TO THE WEST OF THE OPERATING AREA. THE DEEP LOW SOUTH OF ALASKA IS MOVING EAST NORTHEAST AND THE FRONTAL SYSTEM ASSOCIATED WITH THIS LOW IS EXPECTED TO BRING INCREASING SHOWER ACTIVITY TO THE NORTHERN PORTION OF THE OPERATING AREA. HURRICANE KATHINA, AT MIDNIGHT WAS LOCATED ABOUT 600 MILES SOUTHEAST OF GUADALUPE ISLAND MOVING NORTHWEST AT 12 KNOTS. THE HURRICANE IS EXPECTED TO CHANGE TO A WEST TO SOUTHWEST COURSE DURING THE NEXT 48 HOURS.

TODAY 0800-1800L

SKY/WEATHER: OVERCAST WITH SCATTERED SHOWERS.
VISIBILITY: 8-10 MILES BECOMING REDUCED IN SHOWERS TO NEAR 3 MILES.
SFC WINDS: NORTHERLY 15-22 KNOTS WITH GUSTS IN SHOWER AREAS TO 28 KNOTS.
SEA/SWELL: NORTHERLY 4-6 FEET WITH SWELLS OF 6-8 FEET.
MAX TEMP: 69 DEGREES.

TONIGHT 1800-0600L

SKY/WEATHER: CONTINUED OVERCAST TO CLOUDY WITH SCATTERED SHOWERS IN AREA.
VISIBILITY: 5-8 MILES REDUCED BRIEFLY IN SHOWERS TO 1-3 MILES.
SFC WINDS: NORTH TO NORTHEAST 18-24 KNOTS WITH GUSTS TO 28-30 KNOTS.
SEA/SWELL: NORTH TO NORTHEAST 5-8 FEET.
MIN TEMP: 65 DEGREES.

OUTLOOK FOR TOMORROW

LITTLE CHANGE.

WEATHER IN VICINITY OF LT'S

MOSTLY CLEAR WITH VISIBILITY 3-5 MILES IN FOG AND HAZE DURING MORNING BECOMING PARTLY CLOUDY WITH CHANCE OF THUNDERSHOWERS LATER TODAY. SURFACE WINDS WEST TO NORTHWEST 10-15 KNOTS WITH GUSTS IN SHOWER AREAS TO 25-30 KNOTS.

FORECASTER: R. P. FRANK, ACC

USS GRANVILLE S. HALL YAG-40
NAVAL WEATHER SERVICE

FOR OFFICIAL USE ONLY

1 SEPTEMBER 1967

SYNOPTIC SITUATION

A WEAK HIGH PRESSURE CELL CONTINUES TO PREVAIL TO THE WEST AND SOUTHWEST OF THE OPERATING AREA. THE COLD FRONT ASSOCIATED WITH THE LOW OVER THE ALEXANDER ARCHIPELAGO EXTENDS SOUTHWARD TO ABOUT 300 MILES WEST OF THE OPAREA. THIS FRONT IS MOVING EASTWARD AT 10-15 KNOTS AND WILL CONTINUE TO INFLUENCE THE WEATHER IN THE OPAREA FOR THE NEXT 36-48 HOURS. HURRICANE KATRINA HAS MOVED INLAND OVER THE YAKA PENINSULA AND HAS DEGENERATED TO TROPICAL STORM INTENSITY.

TODAY 0800-1800L

SKY/WEATHER: CONTINUED OVERCAST WITH SCATTERED SHOWERS.
VISIBILITY: 8-10 MILES EXCEPT 3-5 MILES IN SHOWER AREAS.
SFC WINDS: NORTHERLY 15-22 KNOTS WITH GUSTS IN SHOWERS TO 25 KNOTS BECOMING NORTH TO NORTHWEST BY END OF PERIOD.
SEA/SWELL: NORTHERLY 5-7 FEET.
MAX TEMP: 69 DEGREES.

TONIGHT 1800-0600L

SKY/WEATHER: OVERCAST WITH INCREASING SHOWER ACTIVITY LATE IN PERIOD.
VISIBILITY: 6-8 MILES REDUCED IN SHOWERS TO 1-3 MILES.
SFC WINDS: NORTH TO NORTHWEST 14-18 KNOTS GUSTING IN SHOWERS TO 25-30 KNOTS..
SEA/SWELL: NORTHWESTERLY SEA WITH NORTHERLY SWELL, COMBINED HEIGHT 5-6 FEET.
MIN TEMP: 63 DEGREES.

OUTLOOK FOR TOMORROW

CONTINUED OVERCAST TO CLOUDY WITH INCREASING SHOWERS AS COLD FRONT APPROACHES AREA. WINDS GRADUALLY BACKING TO WEST-SOUTHWEST THEN SHIFTING TO NORTHWEST AFTER FRONTAL PASSAGE.

WEATHER IN VICINITY OF LT'S

PARTLY CLOUDY SKIES WITH LIGHT SHOWERS OVER MOUNTAINS. WINDS NORTHWESTERLY 10-15 KNOTS.

FORECASTER: H. P. FRANK, JR. ACC

USS GRANVILLE S. HALL YAG-40
NAVAL WEATHER SERVICE

FOR OFFICIAL USE ONLY

2 September 1967

SYNOPTIC SITUATION

THE SOUTHERN PORTION OF THE COLD FRONT THAT WAS APPROACHING THE OPAREA YESTERDAY HAS UNDERGONE FRONTALYSIS AND THE PACIFIC HIGH IS RE-ESTABLISHING ITSELF IN THE EASTERN PACIFIC. THIS HIGH PRESSURE SYSTEM WILL INFLUENCE THE WEATHER IN THE OPAREA FOR THE NEXT 48-72 HOURS.

TODAY 0800-1800L

SKY/WEATHER: PARTLY CLOUDY WITH LIGHT SHOWER ACTIVITY IN THE EASTERN AND NORTHERN PORTIONS OF THE OPAREA.
VISIBILITY: UNRESTRICTED.
SFC WINDS: NORTH TO NORTHEAST 12-18 KNOTS.
SEA/SWELL: NORTHERLY 3-5 FEET.
MAX TEMP: 72 DEGREES.

TONIGHT 1800-0600L

SKY/WEATHER: PARTLY CLOUDY TO MOSTLY CLEAR.
VISIBILITY: UNRESTRICTED.
SFC WINDS: NORTHERLY 10-15 KNOTS OCCASIONALLY INCREASING TO 14-18 KNOTS.
SEA/SWELL: NORTHERLY 2-4 FEET WITH SWELLS OF 3-5 FEET.
MIN TEMP: 64 DEGREES.

OUTLOOK FOR TOMORROW

CONTINUED PARTLY CLOUDY SKIES WITH UNRESTRICTED VISIBILITY. LITTLE CHANGE IN SURFACE WINDS. TEMPERATURES SLIGHTLY COOLER.

WEATHER IN VICINITY OF LT'S

PARTLY CLOUDY DURING THE DAY BECOMING MOSTLY CLEAR AT NIGHT. WINDS NORTHWESTERLY 14-18 KNOTS.

FORECASTER: R. P. FRANK
R. P. FRANK, AGC

USS GRANVILLE S. HALL YAG-40
NAVAL WEATHER SERVICE

FOR OFFICIAL USE ONLY

3 SEPTEMBER 1967

SYNOPTIC SITUATION

THE PACIFIC HIGH IS RIDGING EASTWARD TO THE CALIFORNIA COAST TO THE NORTH OF THE OPAREA. WEAK WAVES IN THE EASTERLIES TO THE SOUTH ARE CAUSING LINES OF VARIABLE CLOUDINESS AND SCATTERED SHOWER ACTIVITY IN THE SOUTHERN PORTION OF THE OPAREA.

TODAY 0800-1800L

SKY/WEATHER: PARTLY CLOUDY OCCASIONALLY BECOMING CLOUDY TO OVERCAST WITH SCATTERED SHOWERS.

VISIBILITY: 8-10 MILES EXCEPT BRIEFLY 3-5 MILES IN SHOWER AREAS.

SFC. WINDS: NORTHEASTERLY 8-12 KNOTS WITH GUSTS IN SHOWERS TO 18 KNOTS INCREASING TO 12-18 KNOTS AND BECOMING MORE EASTERLY LATER TODAY.

SEA/SWELL: NORTHEASTERLY 3-5 FEET.

MAX TEMP: 68 DEGREES.

TONIGHT 1800-0600L

SKY/WEATHER: PARTLY CLOUDY WITH WIDELY SCATTERED SHOWERS.

VISIBILITY: 8-10 MILES REDUCED TO NEAR 5 MILES IN VICINITY OF SHOWERS.

SFC WINDS: Northeasterly 12-18 KNOTS

SEA/SWELL: NORTHEASTERLY 4-6 FEET.

MIN TEMP: 62 DEGREES.

OUTLOOK FOR TOMORROW

LITTLE CHANGE EXCEPT WINDS AND SEAS BECOMING MORE NORTHERLY AND WINDS INCREASING TO 15-20 KNOTS.

WEATHER IN VICINITY OF LT'S

MOSTLY CLEAR TO OCCASIONALLY PARTLY CLOUDY WITH LIGHT HAZE AND SMOKE. WINDS NORTH TO NORTHWEST 8-15 KNOTS.

FORECASTER: R. P. Frank
R. P. FRANK, AGC

USS GRANVILLE S. HALL YAG-40
NAVAL WEATHER SERVICE

FOR OFFICIAL USE ONLY

4 SEPTEMBER 1967

SYNOPTIC SITUATION

HIGH PRESSURE CONTINUES TO RIDGE EASTWARD THROUGH THE OPAREA TO THE COAST. THE DEEP LOW PREVAILS OVER THE GULF OF ALASKA WITH MODERATE TROUGHS EXTENDING SOUTHWARD TO THE NORTHERNMOST PORTION OF THE OPAREA. WEAK WAVES IN THE EASTERLIES ARE CAUSING VARIABLE CLOUDINESS TO THE SOUTH OF THE OPAREA.

TODAY 0800-1800L

SKY/WEATHER: PARTLY CLOUDY BECOMING MOSTLY CLEAR.

VISIBILITY: UNRESTRICTED.

SFC WINDS: NORTHWEST TO NORTH 12-18 KNOTS.

SEA/SWELL: NORTHERLY 3-5 FEET.

MAX TEMP: 75 DEGREES.

TONIGHT 1800-0600L

SKY/WEATHER: MOSTLY CLEAR BECOMING PARTLY CLOUDY NEAR SUNRISE.

VISIBILITY: UNRESTRICTED.

SFC WINDS: NORTHWESTERLY 10-15 KNOTS BECOMING MORE NORTHERLY DURING THE NIGHT AND DECREASING TO 5-10 KNOTS.

MIN TEMP: 65 DEGREES.

SEA/SWELL: NORTH TO NORTHWEST 3-5 FEET.

OUTLOOK FOR TOMORROW

MOSTLY CLEAR TO PARTLY CLOUDY SKIES WITH LIGHT HAZE ALONG COAST. WINDS LIGHT TO MODERATE NORTHWESTERLY. DAYTIME TEMPERATURES IN THE LOW 80'S AND NIGHT-TIME TEMPERATURES IN THE LOW TO MID 70'S.

FORECASTER: R. P. Frank
R. P. FRANK, AGC

USS GRANVILLE S. HALL YAG-40
NAVAL WEATHER SERVICE

FOR OFFICIAL USE ONLY

5 SEPTEMBER 1967

SYNOPTIC SITUATION

HIGH PRESSURE CONTINUES TO DOMINATE THE MID EASTERN PACIFIC AND MOST OF THE CALIFORNIA COAST. THE DEEP LOW IN THE GULF OF ALASKA CONTINUES TO PREVAIL.

TODAY 0800-1800L

SKY/WEATHER: PARTLY CLOUDY DURING THE MORNING BECOMING MOSTLY CLEAR THIS AFTERNOON WITH LIGHT HAZE ALONG THE COAST.

VISIBILITY: GENERALLY UNRESTRICTED EXCEPT ALONG COAST 5-7 MILES IN HAZE.

SFC WINDS: NORTHEASTLY 8-12 KNOTS INCREASING TO 10-15 KNOTS LATER IN DAY.

SEA/SWELL: NORTHERLY 3-5 FEET.

MAX TEMP: 86 DEGREES.

TONIGHT 1800-0600L

SKY/WEATHER: MOSTLY CLEAR.

VISIBILITY: 7-10 MILES.

SFC WINDS: NORTHEASTERLY 10-15 KNOTS BECOMING LIGHT NORTHWESTERLY DURING THE NIGHT.

SEA/SWELL: CONDITIONS IN HARBOR SMOOTH TO SLIGHT.

MIN TEMP: 68 DEGREES.

OUTLOOK FOR TOMORROW

LITTLE CHANGE

FORECASTER: R. P. FRANK, AGC

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(SHIP STATION)

WBAN11A

U.S.S. SPANVILLE NAVY STATION _____ LATITUDE _____ LONGITUDE _____ DATE 1 AUG 1967

POSITION OBSERVATION TIME	COURSE	SPD.	TYPE	TIME (GCT)	SKY AND CEILING (HUNDREDS OF FEET)	VISIB- ILITY (NAUT. MILES)	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MBS.)	TEMP. (°F.)	DEW PT. (°F.)	WIND		ALTIM- ETER SET. (INS.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSER- VERS INITI- ALS
											DIREC- TION	SPEED (KTS.)			
1740	180	11	R	1740	100	10		101.5	78	78	10	12			ML
1745	180	11	R	1745	100	10		101.5	78	78	10	14			GN
1750	180	11	R	1750	100	10		101.5	78	78	10	12			ML
					1000 FT										
1755	180	11	R	1755	100	10		101.5	78	78	10	14			GN
1800	180	11	R	1800	100	10		101.5	78	78	10	14			GN
1805	180	11	R	1805	100	10		101.5	78	78	10	14			GN
1810	180	11	R	1810	100	10		101.5	78	78	10	14			GN
1815	180	11	R	1815	100	10		101.5	78	78	10	14			GN
1820	180	11	R	1820	100	10		101.5	78	78	10	14			GN
1825	180	11	R	1825	100	10		101.5	78	78	10	14			GN
1830	180	11	R	1830	100	10		101.5	78	78	10	14			GN
1835	180	11	R	1835	100	10		101.5	78	78	10	14			GN
1840	180	11	R	1840	100	10		101.5	78	78	10	14			GN
1845	180	11	R	1845	100	10		101.5	78	78	10	14			GN
1850	180	11	R	1850	100	10		101.5	78	78	10	14			GN
1855	180	11	R	1855	100	10		101.5	78	78	10	14			GN
1900	180	11	R	1900	100	10		101.5	78	78	10	14			GN
1905	180	11	R	1905	100	10		101.5	78	78	10	14			GN
1910	180	11	R	1910	100	10		101.5	78	78	10	14			GN
1915	180	11	R	1915	100	10		101.5	78	78	10	14			GN
1920	180	11	R	1920	100	10		101.5	78	78	10	14			GN
1925	180	11	R	1925	100	10		101.5	78	78	10	14			GN
1930	180	11	R	1930	100	10		101.5	78	78	10	14			GN
1935	180	11	R	1935	100	10		101.5	78	78	10	14			GN
1940	180	11	R	1940	100	10		101.5	78	78	10	14			GN
1945	180	11	R	1945	100	10		101.5	78	78	10	14			GN
1950	180	11	R	1950	100	10		101.5	78	78	10	14			GN
1955	180	11	R	1955	100	10		101.5	78	78	10	14			GN
2000	180	11	R	2000	100	10		101.5	78	78	10	14			GN
2005	180	11	R	2005	100	10		101.5	78	78	10	14			GN
2010	180	11	R	2010	100	10		101.5	78	78	10	14			GN
2015	180	11	R	2015	100	10		101.5	78	78	10	14			GN
2020	180	11	R	2020	100	10		101.5	78	78	10	14			GN
2025	180	11	R	2025	100	10		101.5	78	78	10	14			GN
2030	180	11	R	2030	100	10		101.5	78	78	10	14			GN
2035	180	11	R	2035	100	10		101.5	78	78	10	14			GN
2040	180	11	R	2040	100	10		101.5	78	78	10	14			GN
2045	180	11	R	2045	100	10		101.5	78	78	10	14			GN
2050	180	11	R	2050	100	10		101.5	78	78	10	14			GN
2055	180	11	R	2055	100	10		101.5	78	78	10	14			GN
2100	180	11	R	2100	100	10		101.5	78	78	10	14			GN
2105	180	11	R	2105	100	10		101.5	78	78	10	14			GN
2110	180	11	R	2110	100	10		101.5	78	78	10	14			GN
2115	180	11	R	2115	100	10		101.5	78	78	10	14			GN
2120	180	11	R	2120	100	10		101.5	78	78	10	14			GN
2125	180	11	R	2125	100	10		101.5	78	78	10	14			GN
2130	180	11	R	2130	100	10		101.5	78	78	10	14			GN
2135	180	11	R	2135	100	10		101.5	78	78	10	14			GN
2140	180	11	R	2140	100	10		101.5	78	78	10	14			GN
2145	180	11	R	2145	100	10		101.5	78	78	10	14			GN
2150	180	11	R	2150	100	10		101.5	78	78	10	14			GN
2155	180	11	R	2155	100	10		101.5	78	78	10	14			GN
2200	180	11	R	2200	100	10		101.5	78	78	10	14			GN
2205	180	11	R	2205	100	10		101.5	78	78	10	14			GN
2210	180	11	R	2210	100	10		101.5	78	78	10	14			GN
2215	180	11	R	2215	100	10		101.5	78	78	10	14			GN
2220	180	11	R	2220	100	10		101.5	78	78	10	14			GN
2225	180	11	R	2225	100	10		101.5	78	78	10	14			GN
2230	180	11	R	2230	100	10		101.5	78	78	10	14			GN
2235	180	11	R	2235	100	10		101.5	78	78	10	14			GN
2240	180	11	R	2240	100	10		101.5	78	78	10	14			GN
2245	180	11	R	2245	100	10		101.5	78	78	10	14			GN
2250	180	11	R	2250	100	10		101.5	78	78	10	14			GN
2255	180	11	R	2255	100	10		101.5	78	78	10	14			GN
2300	180	11	R	2300	100	10		101.5	78	78	10	14			GN
2305	180	11	R	2305	100	10		101.5	78	78	10	14			GN
2310	180	11	R	2310	100	10		101.5	78	78	10	14			GN
2315	180	11	R	2315	100	10		101.5	78	78	10	14			GN
2320	180	11	R	2320	100	10		101.5	78	78	10	14			GN
2325	180	11	R	2325	100	10		101.5	78	78	10	14			GN

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(SHIP STATION)

WBANIIA

U.S.S. GRANVILLE S. HALL STATION _____ LATITUDE _____ LONGITUDE _____ DATE 11 SEPT 1967

POSITION OBSERVATION 1A	COURSE 1B	SPD. 1C	TYPE 1D	TIME (GCT) 2	SKY AND CEILING (HUNDREDS OF FEET) 3	VISIBILITY (NAUT. MILES) 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. (MBS.) 6	TEMP. (°F.) 7	DEW PT. (°F.) 8	WIND DIREC- TION 9	SPEED (KTS.) 10	WIND GUSTS AND SHIFTS 11	ALTIM- ETER SET. (INS.) 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	14A	14B	OBSER- VER'S INITIALS 15
					1000													
1417	170	11	R	1100	1000	10		100	77	60	25	10						RL
1520	170	11	R	1100	1000	10		100	77	60	25	10						RL
1531	170	11	R	1100	1000	10		100	77	60	25	10						RL
1541	170	11	R	1100	1000	10		100	77	60	25	10						RL
					1000													
1542	170	11	R	1100	1000	10		100	77	60	25	10						RL
1543	170	11	R	1100	1000	10		100	77	60	25	10						RL
1544	170	11	R	1100	1000	10		100	77	60	25	10						RL
1545	170	11	R	1100	1000	10		100	77	60	25	10						RL
					1000													
1546	170	11	R	1100	1000	10		100	77	60	25	10						RL
1547	170	11	R	1100	1000	10		100	77	60	25	10						RL
1548	170	11	R	1100	1000	10		100	77	60	25	10						RL
1549	170	11	R	1100	1000	10		100	77	60	25	10						RL
1550	170	11	R	1100	1000	10		100	77	60	25	10						RL
					1000													
1551	170	11	R	1100	1000	10		100	77	60	25	10						RL
1552	170	11	R	1100	1000	10		100	77	60	25	10						RL
1553	170	11	R	1100	1000	10		100	77	60	25	10						RL
1554	170	11	R	1100	1000	10		100	77	60	25	10						RL
1555	170	11	R	1100	1000	10		100	77	60	25	10						RL
1556	170	11	R	1100	1000	10		100	77	60	25	10						RL
1557	170	11	R	1100	1000	10		100	77	60	25	10						RL
1558	170	11	R	1100	1000	10		100	77	60	25	10						RL
1559	170	11	R	1100	1000	10		100	77	60	25	10						RL
1560	170	11	R	1100	1000	10		100	77	60	25	10						RL
					1000													
1561	170	11	R	1100	1000	10		100	77	60	25	10						RL
1562	170	11	R	1100	1000	10		100	77	60	25	10						RL
1563	170	11	R	1100	1000	10		100	77	60	25	10						RL
1564	170	11	R	1100	1000	10		100	77	60	25	10						RL
1565	170	11	R	1100	1000	10		100	77	60	25	10						RL
1566	170	11	R	1100	1000	10		100	77	60	25	10						RL
1567	170	11	R	1100	1000	10		100	77	60	25	10						RL
1568	170	11	R	1100	1000	10		100	77	60	25	10						RL
1569	170	11	R	1100	1000	10		100	77	60	25	10						RL
1570	170	11	R	1100	1000	10		100	77	60	25	10						RL
1571	170	11	R	1100	1000	10		100	77	60	25	10						RL
1572	170	11	R	1100	1000	10		100	77	60	25	10						RL
1573	170	11	R	1100	1000	10		100	77	60	25	10						RL
1574	170	11	R	1100	1000	10		100	77	60	25	10						RL
1575	170	11	R	1100	1000	10		100	77	60	25	10						RL
1576	170	11	R	1100	1000	10		100	77	60	25	10						RL
1577	170	11	R	1100	1000	10		100	77	60	25	10						RL
1578	170	11	R	1100	1000	10		100	77	60	25	10						RL
1579	170	11	R	1100	1000	10		100	77	60	25	10						RL
1580	170	11	R	1100	1000	10		100	77	60	25	10						RL
1581	170	11	R	1100	1000	10		100	77	60	25	10						RL
1582	170	11	R	1100	1000	10		100	77	60	25	10						RL
1583	170	11	R	1100	1000	10		100	77	60	25	10						RL
1584	170	11	R	1100	1000	10		100	77	60	25	10						RL
1585	170	11	R	1100	1000	10		100	77	60	25	10						RL
1586	170	11	R	1100	1000	10		100	77	60	25	10						RL
1587	170	11	R	1100	1000	10		100	77	60	25	10						RL
1588	170	11	R	1100	1000	10		100	77	60	25	10						RL
1589	170	11	R	1100	1000	10		100	77	60	25	10						RL
1590	170	11	R	1100	1000	10		100	77	60	25	10						RL
1591	170	11	R	1100	1000	10		100	77	60	25	10						RL
1592	170	11	R	1100	1000	10		100	77	60	25	10						RL
1593	170	11	R	1100	1000	10		100	77	60	25	10						RL
1594	170	11	R	1100	1000	10		100	77	60	25	10						RL
1595	170	11	R	1100	1000	10		100	77	60	25	10						RL
1596	170	11	R	1100	1000	10		100	77	60	25	10						RL
1597	170	11	R	1100	1000	10		100	77	60	25	10						RL
1598	170	11	R	1100	1000	10		100	77	60	25	10						RL
1599	170	11	R	1100	1000	10		100	77	60	25	10						RL
1600	170	11	R	1100	1000	10		100	77	60	25	10						RL

SHIP G.S. Hall yag-40 DATE 29 Aug '67

TOTAL MILES TRAVELED SUNRISE TO SUNSET 120

TIME	LAT.	LONG.
0400	33°31 N	120°10 W
0600	33°28 N	120°39 W
0800	33°23 N	120°48 W
1000	33°19 N	121°06 W
1200	33°19 N	121°27 W
1400	33°17 N	121°50 W
1600	33°15 N	122°12 W
1800	33°15 N	122°36 W
2000	33°16 N	122°59 W
2400	33°21 N	123°38 W

[illegible]

	TIME	LAT.	LONG.
SUNRISE	0652	33°30'N	124°48'W
SUNSET	1944	32°40'N	126°28'W

TOTAL MILES TRAVELED SUNRISE TO SUNSET 116

POSITION

TIME	LAT.	LONG.
0400	33°25'N	124°18'W
0600	33°29'N	124°40'W
0800	33°26'N	125°07'W
1000	33°25'N	125°28'W
1200	33°23'N	125°50'W
1400	33°23'N	126°11'W
1600	33°16'N	126°26'W
1800	32°57'N	126°28'W
2000	32°36'N	126°29'W
2400	32°33'N	125°45'W

COURSE OR SPEED CHANGE

	FROM	TO	(AT)	LAT.	LONG.
1530	270	180		33°20'N	126°27'W
2015	180	090		32°31'N	126°30'W

SHIP

DATE _____

DATE 8/31/67

	TIME	LAT.	LONG.
SUNRISE	0652	32°30 N	124°29 W
SUNSET	1939	32°30 N	124°23 W

TOTAL MILES TRAVELED SUNRISE TO SUNSET 117

POSITION

TIME	LAT.	LONG.
0400	32°32' N	125°03' W
0600	32°32' N	124°40' W
0800	32°32' N	124-17W
1000	32°31' N	123°56' W
1200	32°30' N	123°33' W
1400 ¹⁴¹⁵	32°30' N	123°21' W
1600	32°30' N	123°02' W
1800	32°30' N	122°42' W
2000	32°30' W	122°19' W
2400	32°25' N	121°42' W

COURSE OR SPEED CHANGE

[illegible]

E.A.C. CRUISE DATA

SHIP SS Hall Ry-70 DATE 1 Sept. 67

	TIME	LAT.	LONG.
SUNRISE	0639	32-15N	120°58W
SUNSET	1936	31-42	122°52W

TOTAL MILES TRAVELED SUNRISE TO SUNSET 132

POSITION

TIME	LAT.	LONG.
0400	32° 25 N	121-15 W
0600	32° 22 N	121-00 W
0800	32° 00 N	121-00 W
1000	31° 42 N	121-05 W
1200	31° 40 N	121-27 W
1400 1430	31° 41 N	121-54 W
1600	31° 41 N	122° 09 W
1800	31° 41 N	122° 34 W
2000	31° 38 N	122° 57 W
2400	31° 39 N	123° 14 W

COURSE OR SPEED CHANGE

	FROM	TO	(AT)	LAT.	LONG.
0515	090	180		32° 26 N	121-00 W
0940	180	270		32° 42 N	121-01 W

E.A.C. CRUISE DATA

SHIP

US Navy Ag 40

DATE

02 Sept '67

	TIME	LAT.	LONG.
SUNRISE	0645	31-40 N	124°26 W
SUNSET	1939	31-31 N	125-10 W 126-

TOTAL MILES TRAVELED SUNRISE TO SUNSET 91

POSITION

TIME	LAT.	LONG.
0400	31°39 N	124°02 W
0600	31°40 N	124°23 W
0800	31°40 N	124°40 W
1000	31°40 N	124°58 W
1200	31-40 W	125-12 W
1400	31- ³⁸ 40 N	125- ²⁷ 12 W
1600	31-37 N	125-42 W
1800	31-34 N	125-56 W
2000	31-30 N	126-17 W
2400	31-03 N	126-20 W

COURSE OR SPEED CHANGE

	FROM	TO	(AT)	LAT.	LONG.
022000	270	180		31-30 N	120-16 W
022000	180	270			

SHIP D.S. MAIL VMS 40 DATE 9/03/67

TOTAL MILES TRAVELED SUNRISE TO SUNSET 118²

TIME	LAT.	LONG.
0400	30°56' N	125°54' W
0600	30°56' N	125°34' W
0800	30°58' N	125°12' W
1000	30°56' N	124°50' W
1200	30°56' N	124°28' W
1400	30°56' N	124°07' W
1600	30°55' N	123°45' W
1800	30°54' N	123°27' W
2000	30°53' N	123°05' W
2400	30°53' N	122°42' W

[illegible]

SHIP

SHIP Small yag 90

DATE _____

DATE 04 Sept. 1967

	TIME	LAT.	LONG.
SUNRISE	0644	30°53'N	121°34'W
SUNSET	1920	31°21'N	119°42'W

TOTAL MILES TRAVELED SUNRISE TO SUNSET 103

POSITION

TIME	LAT.	LONG.
0400	30°52 N	122°05 W
0600	30°51 N	121°46 W
0800	30°52 N	121°18 W
0945 1000	30°52 N	121°00 W
1200	31°01 N	120°42 W 119°36 W
1400	31°01 W	120°32 W
1600	31°08 N	120°13 W
1800	31°16 W	119°55 W
2000	31°24 N	119°36 W
2400	31°52 N	118°57

Departed GRID

COURSE OR SPEED CHANGE

[illegible]

SHIP

DATE _____

5 Sept 1967

	TIME	LAT.	LONG.
SUNRISE	0626	32°28' N	118°03' W
SUNSET			

TOTAL MILES TRAVELED SUNRISE TO SUNSET 46 miles to Point Coma

POSITION

TIME	LAT.	LONG.
0400	32°12'N	118°22'W
0600	32°21'N	118°15'W
0800	32°33'N	117°46'W
1000	32°35'N	117°25'W
1200	32°36'N	117°19'W
1400		
1600		
1800		
2000		
2400		

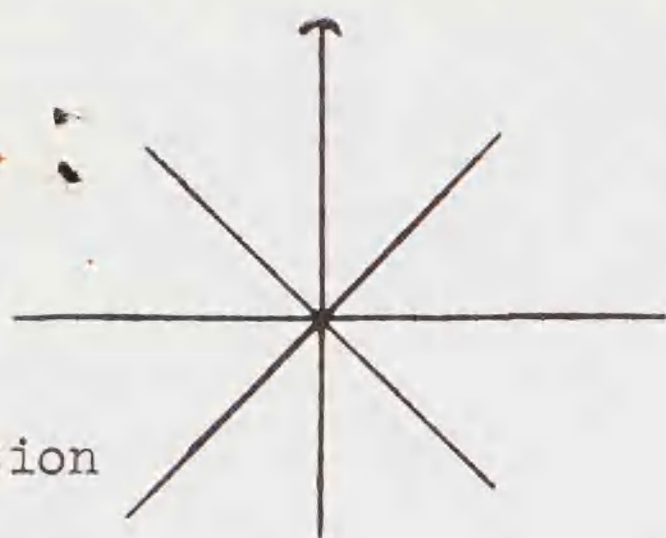
5 miles OF Pt. Loma

COURSE OR SPEED CHANGE

[illegible]

37-1

OBSERVERS:

Ship
Direction
 SMITHSONIAN INSTITUTION
 DIVISION OF BIRDS
 AT SEA DAILY LOG - E
SPECIMEN
orOFFSHORE
ANCHORAGE IS

Date

25

AUG. 1967

Pg. #

1

TIME SPECIES # DIR. BAND NO. REMARKS

1405

3 MI SE OF E POINT

1425

SEASTPT
ROCK2nd ROCKS WHITE-WASHED

WEST GULLS ROOSTING ON FLAT TOPS

CA 50 SEALIONS ON S SIDE OF EAST ISLAND

WESTERN GULLS CIRCLING CLIFFS ON
WEST SIDE OF EAST ISLAND50+ WEST GULL ON H₂O

S OF WEST END E ISLAND

ROCKS BETWEEN EAST AND MIDDLE
WHITE WASHED, w/ WEST GULLS & BR PEL.

MIDDLE SECTION (TO NARROWS)

SCATTERED SMALL WHITE WASH
PHYS ON SLOPES.WEST GULLS SOARING ON WINDWARD (W)
SIDE OF RIDGE. BR. PEL. ABOUT

NO SEALIONS SEEN

WESTERN SECTION

150+ WEST GULLS 50+ 70+ AD.

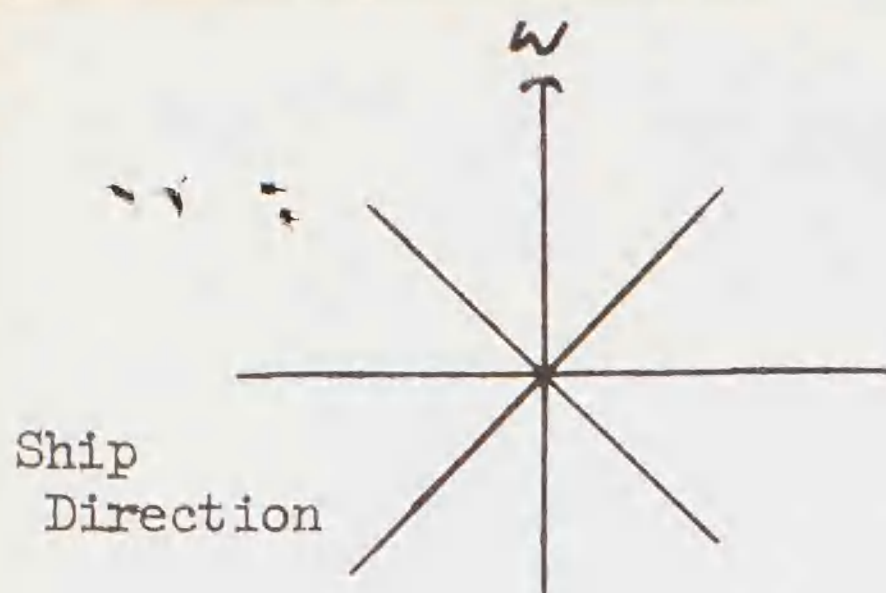
FOLLOWING FISHING BOAT
S POINT OF WEST SECTIONROCKS w/ WHITE WASH & BR. PEL. & WESTG.
SEALIONS - CA 6-10 1/2 WAY S POINT - W POINT
WEST POINTLARGE WHITE WASHED (HEAVILY) DOME
+ ROCKS WEST GULL & BR. PEL.SLOPES SPECKLED w/ WHITE WASH, INCREASED
TO WEST

1510

CLOSE ANCHORAGE OFFSHORE

SI-MNH-958-e

Rev. 5-66



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

SPECIMEN
or

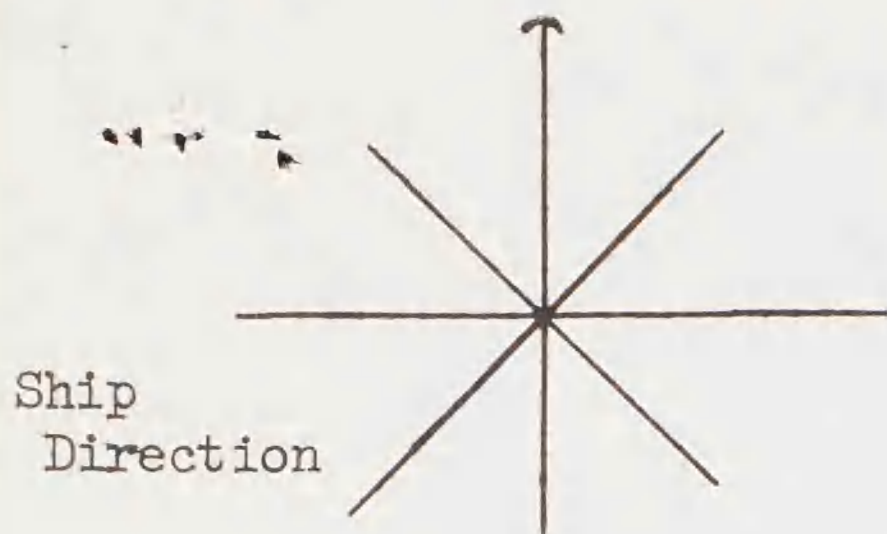
SANTA CRUZ
OFFSHORE SOUTHSIDE

OBSERVERS:

CHAM & SANGER

Date ²⁵ ~~24~~ AUG 1967
Pg. # 1

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
1520	PINNIPED	1			IN HATCHER PRODIGE
1530 1 1545					LGE SPREAD OUT FLOCKS AROUND FISHING BOATS & OFF EDGES OF Kelp BEDS WESTERN GULL 8-1000 (900) BROWN PEL 75-125 (100) CORM SP 10
1630	BOWEN PT AREH ALBERT ANCH.				WHITE-WASHED ROCKS OP-THL BEACH WITH WEST. GULL 2 ca ALBERT ANCH 1 ca BOWEN PT PROPER
	CORM SP	7			FLOCK SCATTERED INDIVIDUS ALONG SHORE LINE ETC 1 PELAGIC ?? PROBABLY MOSTLY BUT INDTS
	CORM.				GROUPS 1-4-3 BIRDS FLYING TOWARD GULL Rk.
	Cormorants				5-10 roosting on large rock w/ whitewash
	Gullap.				100-200 roosting on sandy beach ca. 2 mi west of Gull Is.
	GULL IS.				WELL WHITE WASHED GULLS & CORMORANTS PRESENT NO COUNT POSSIBLE AN ACTIVE ROOST & PROB BREED WEST GULL
1700					LEAVE S. CRUZ AREA



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

SPECIMEN
or

SANTA ROSA

OBSERVERS:

Date 25 AUG 1967
Pg. # 1

TIME SPECIES # DIR. BAND NO. REMARKS

1730 1					SANTA CRUZ CHANNEL SOUTH END SOOTY SHEAR SCATTERED AND SMALL FLOCKS → 10 PINK-FOOTS W/ SOOTIES CA 6 ⁺ ARCING HIGH IN CA 20 KT WIND PEL PEL PEL WESTERN GULL - SCATTERED BR PEL — " " " " PFOOTS BECOMING COMMONER THAN SOOTY S CLOSE TO S.R.
1800	GULL/TERN FORD PT. S. ROSA	2			large tern small gull ? ? 3-4 WHITE WASHED ROCKS IN THE AREA, MOSTLY LOW & CLOSE TO SHORE. BIRDS (COMORANTS?) IN VIOLENCE W GULLS FEW COM - SEVERAL
1825	3-4 mi W. Ford Pt.				white washed rocks, back (inland) from surf; much help in this area. much of which has been washed ashore Comorants - frequently seen in nos. over 1 to 5 or 6 Gull sp - common in + near rock beds
1850	1/2 mi West. wrecked freighter				ca 70 birds on sandy beach, appear to be mostly gulls; some, ca 5-8 dark birds that could be immature western gulls.
1900					CLOSE OBS. FOR 14 Y

25 AUG.

0900	33°41'N; 118°18'W
1000	45' 30'
1100	49' 42'
1200	53' 55'
1300	57' 119°08'
1400	34°00'N; 119°21'W

26 AUG.

0600	34°50' 21°21'W
0700	3502 31
0800	3501 44
0900	3500 56
1000	3459 12209
1100	3459 122°16'
1200	34°58'N; 122°20'
1300	57 23
1400	57 36
1500	56 46
1600	55 56
1700	54 123°07'
1800	53 19
1900	52 25
2000	52 37

Eastern Grid Survey No 12.

9 Sector Crossing Points

POSITION		TIME	DATE
35-00	122-00	0922	26 Aug
35-00	122-40	1436	"
35-00	124-50	0700	27 "
34-10	124-50	0745 0645	28 "
34-10	122-40	1145	28 "
33-45	121-20	1120	29 " <u>1 Aug 40</u>
33-20	122-40	1820	29 AUG. 1967
33-25	124-50	0625	30 Aug. 1967
32-30	124-50	0505	31 AUG 1967
32-30	122-40	1758	31 AUG. 1967
32-05	121-00	0722	01 Sept. 1967
31-40	122-40	1830	01 Sept. 1967
31-40	124-50	0905	02 Sept 67
30-50	124-50	1000	03 Sept 67
30-50	122-40	0020	04 Sept 67
30-50	121-00	0945	05 04 Sept 67

27 Aug.

7	34° 56'	126° 07'
8	34° 57'	12
9	34° 53'	19
10	45	27
11	37	27
12	28	27
13	23	27
14	14	27
15	12	18
16	12	20
17	12	08
18	12	125° 56'
19	12	40
20	12	36
21	12	26

28 Aug

7	34° 14'	123° 25'
8	14'	16
9	14'	06
10	13'	122° 56'
11	13'	45
12	13'	38
13	12'	33
14	12'	28
15	12'	17
16	12'	09
17	11'	00
18	11'	121° 52'
19	11'	44
20	34° 11'	36

SHIP G.S. HALL 116-40 DATE 28 AUG. '67

SUNRISE

SUNSET

1927 33°37' N 118°38'

TOTAL MILES TRAVELED SUNRISE TO SUNSET 26 Miles From BKWTR

TIME	LAT.	LONG.
------	------	-------

0400		
0600		
0800		
1000		
1200		
1400		
1600 1633	33°43.4 N	118-11 W
1800	33°39.0 N	118-23 W
2000	33°36.4 N	118°44.8 W
2400	33°32 N	119°27 W

BKWTR

FROM	TO	(AT)	LAT.	LONG.
------	----	------	------	-------

[illegible]



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

SPECIMEN
or

NON GRID

LONG BEACH TO PT. HSN
VIA ANACAPA & S. MIGUEL

OBSERVERS:

Date 25 Aug 1967
Pg. # 1

TIME SPECIES # DIR. BAND NO. REMARKS

0850

BEGIN OBS. 3 MI. OUT OF LB. BREAKWATER

0855

Phalarope sp 3 ✓ NW

Dark back

0858

Red " 100±20
1 ✓

On water & milling; at least some
w/ dark back.

0858

Gull sp. 3 ✓ N

* one possible adult Herring: black
wing tips, lighter ~~to~~ mantle; 1 possible
adult western; 1 imm.

0901

Phalarope 1 ✓ E

0902

Western
gull? 2 N

* imm.

0902

Phalarope 3 ✓ E

dark-backed.

0904

Gull 1 ✓ N

dark imm.

0908

imm
gull 1 ✓

On water

0914

imm.
gull 1 ✓ S

0927

imm.
gull 1 ✓ W

appeared mostly dark

0934

Gull sp,
imm. 7 ✓

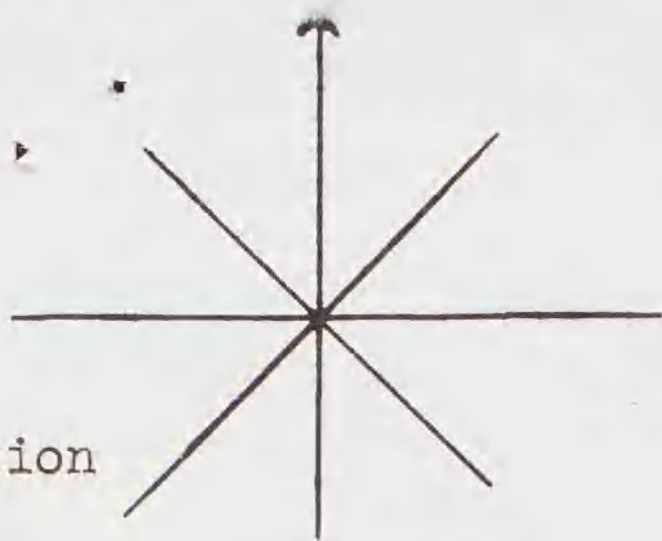
On water; all or mostly dark,
probably western all took off
momentarily as ship approached.
appeared to be immature, but it was
ca. 1/4 mi away.

0944

gull 1 ✓ E

Ship speed:
12 km
C 29/°T

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

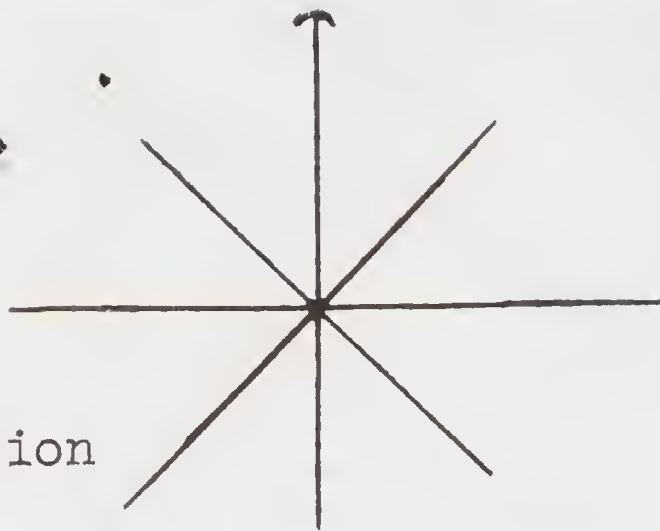
Date 25 Aug 67
Pg. # 2

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0953	Gull sp	1 ✓	NE		50' in above water.
0959	N. Phalarope	1			in water; flushed to SE as ship approached.
1002	Western gull	1	NW		adult; briefly followed ship
	gull sp	1 ✓	SE		immature? briefly followed ship
1008	JAEGER SP	1	a		large pomarine prob.
1020	PHAL SP	1	S		
1024	PINKFOOT.	1	NE		
1025	WEST GULL	1	a		imm
1026	" "	1	a		adult
1031	BR. PEL.	2	ae		
1032	N. PHAL.	6	ae		ON H ₂ O
1035	PINKFOOT	2	NW		
1038	WEST GULL	1	SE		ad.
1041	" "	1	SE		ad.
1047	" "	2	ae		1 ad, 1 imm; following water
1100	JAEGER SP	1	ae		pomarine?
1102	BR. PEL.	3	ae		
1108	N. PHAL	8	ae		
1115	WEST GULL	1	ae		ad.
1124	PHAL SP.	1 ✓	ae		
1127	GULL SP	1	ae		imm
1137	Pinkfoot	1	W		
1202	RED PHAL	1	S		
1218	Gull sp?	1			far to stern
1221	Phalarope sp.	1 ✓	NE		
1228	Gull sp	1	NW		following ship at ca. 1/4 mi

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 25 Aug 1967
Pg. # 3

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

1231	Gull sp.	1	NW		Same one as previous sighting. Immature, dark brown, probably <u>Western</u> .
1231	Herring gull? adult	1	E		adult, black wing tips, lighter mantle, HG-sized;
1300	Heermann's Gull??	1	-		Gull-sized bird, sitting on floating piece of wood. No clear grey on mantle, seemed mostly brownish; light breast. Best guess sp. reliability of genus only accurate.
1311	Sabine's Gull	2	SE		adult - good I.D.
1313	imm. gull sp.	1	-		on water. Mostly dark brown, w/ light head; primaries shafts conspicuously light in dark brown wings.
1319	Pink-foot	1	W		
1324	Cormorant sp.	1	SE		1/4-1/2 mile off port beam.
1333	Gull sp.	1	N		immature; mostly dark brown; light rump, dark ^{feathers} head on trail.
1344	west. gull	1	-		adult; sitting on floating wood; took off steadily to W.
1348	Brown Pelican sp.	4	-		3+1; sitting. appeared brown-grey sitting in company w/ the lone pelican above.
1348	Gull sp.	3	-		
1355	Gull sp.	2	-		1 sitting on floating wood & 1 mulling; bar to strld.
1400	BR. PEL.	1	SE		
1401	Gull sp.	5	E		sitting
	PINK FOOT S.	5	E		
	BR. PEL.	1	E		
1402					CLOSE 47 SEA OBS. 3 1/2 MI. SE

ANACAPH

26 AUG.

BREAKDOWN
0922-1436 34MI. (3)
1436-1951 45MI. (2)

(SR-0922-NONGRID)

Non
Grid

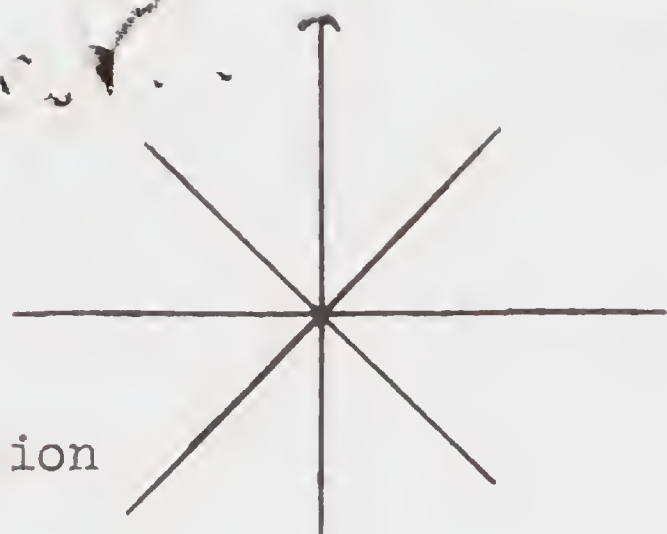
BFA		1	1				2	1 ✓
Sooty Shear	6		2				8	2 ✓
Storm Pet	4	9	4	4	3	3	27	14
w RSP.		9	14	13	4	2	42	33 ✓
Sterna sp.	21	1					22	
Bird sp.	5		1	1	1		8	3
Phalarope		4		7			11	7
Rel 2 Northern Phal	5						5	
SLorebird	4	6	2				12	2.
Jaeger	3	3	2	2	2		12	6 ✓
Alcid		2					2	
Cowbird		1					1	
Pomarine	48	36	1				1	✓
Red Phal			1	2	23		26	✓
DRS P			28	1	3	2	6	
Cassin's Auklet				2			2	✓
Xantus murrelet				1			1	✓
Gull sp.				4			4	✓
L-T Jac.				32	1		1	✓
Shearwater sp.					1		1	✓
Pink-foot Shear					1		1	✓

39

195

III

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 26 ~~25~~ Aug. 1967
Pg. # 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0633					SUNRISE BEGINS.
0635					
0647	BIRD SP	2✓	N		DALL PORPOISE - 2 - RIDING BOW NO ATTEMPT MADE TO COLLECT
0650	STERNA SP	3✓	CE		POOR LIGHT - STERNA SP ??
0651	BIRD SP	2✓	E		COMMON ??
0654	SOOTY SH.	1✓	CE		JAEGER ?
0655	STERNA SP.	1✓	NW		COMMON ??
0700	" "	1✓	N		"
0705	NOR.? PHAL	5✓	S		"
0707	SOOTY SH.	1✓	CE		"
0709	STERNA SP	2✓	N		"
0714	JAEGER SP	2✓	CE		distant
0716	SHORE BIRD	2✓	SE		RED PHAL / (SHORE BIRD?)
0717	STERNA SP	2✓	N		BELLY GRAY IN THIS LIGHT ARCTIC/COMMON, NOT FIRST.
0727	" "	1✓	NE		PHAL? - SMALL, ANYWAY
0728	BIRD	1✓	SE		
0729	SOOTY SHEAR	2✓	N		
0732	" "	2✓	CE		
0733	JAEGER SP	1✓	CE		POW.? DIST., LARGE
0734	STERNA SP	2✓	CE		NE
0735	" "	2✓	CE		"
0736	STORM PET	1✓	CE		
0740	STERNA	5✓	NE		
0747	SHORE BIRD	2✓	S		
0755	Sterna	2✓	N		
	Storm pet	2✓	SE		Dark, but didn't see a <u>conspicuous</u> white ump.
0804	Storm pet	1✓	W		loose rather slow ungulates; appeared all dark. lit on H ₂ O + appeared to eat something on surface - "fluttering" another de- scriptor for ungulates

(48)



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

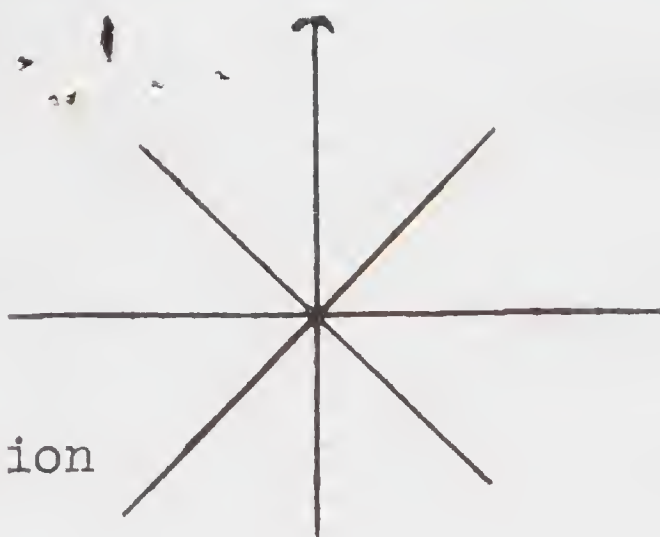
Date 26 Aug 67
Pg. # 2

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0809	B.F. Alb.	1 ✓	E		followed ship briefly & then appeared to head back toward vessel following us.
0811	PHD Bird sp	1 ✓	S		shorebird - appearing; slightly smaller than storm pet, grey + white; rapid, direct flight ca 30' above H ₂ O.
0811	Leach's pet	2 ✓	N		Rump patch plainly seen; wing beats seemed faster than storm pet of 0809 righting.
0813	"	1 ✓	W		
	storm pet	1 ✓	W		far to port
	PHD Bird sp	1 ✓	SE		small, rapid, directional; appeared like 0811 sighting
	PHD Bird sp	2 ✓	NW		appeared superficially like small st. pet, but flight more directional & not fluted
0822	WRS P	1 ✓	CEE		
0824	JAE G. SP	1 ✓	SE		
0825	STORM PET	1 ✓	CE		ON H ₂ O
0826	WRS P	2 ✓	CE		flashing over food
0827	STORM PET	2 ✓	CE		
0827	SHOREBIRD	6 ✓	CE		SHOREBIRD??
0828	JAE G. SP	1 ✓	CE		LONG TAILED? HARASSING STORM PET.
	STORM PET	1 ✓	CE		
0831	STORM PET	1 ✓	CE		
0832	JAE G. SP	1 ✓	CE		
0835	ALCID	2 ✓	W		CHASSINS? SMALL DARK.
0841	WRS P	2 ✓	N		
0848	COW BIRD	1 ✓	CEE		
0851	STERNASP	1 ✓	N		COM.?
0856	WRS P	1 ✓	CEE		
0905	St. pet.	2 ✓	-		milling
0908	St. pet	1 ✓	SE		- stop ship to haul in fish
0915					U/W black-foot + imm brown-headed cowbird came round stopped ship

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date
Pg. #

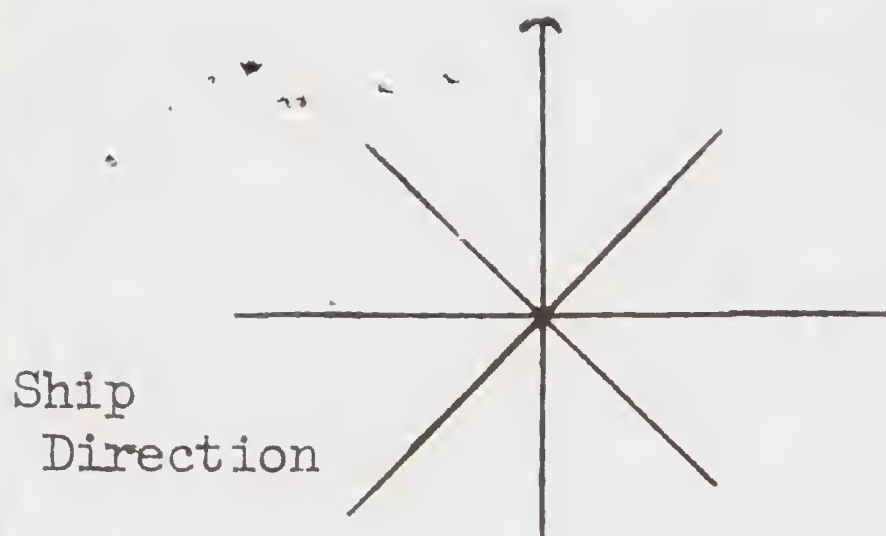
26
25 Aug 67
3

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0935	WRSP	1✓	W		
0937	Sooty Shear	1✓	SE		On water, then took off to SE. light underwing seen.
0941	SHOREBIRD SP.	2✓	S		fast, directional; sl. larger than storm pet. Black & white wing markings similar to Greater yellowlegs.
0949	St. Petrel	1✓	SW		
0951	BFA	1✓	W		following ship. white between vent & tail on underside.
0956	WRSP	1✓	S		
	St. Petrel	1✓	N		
0959	WRSP	1✓	NE		
1002	St. Pet.	1 or 2✓	SE		back to port.
1007	BFA	2✓	W		follow ship, 1 w/ + 1 w/o rump patch. 1 w/ patch more extensive vent → tail than on rump.
1014	WRSP	1✓	SE		
1017	Sooty Shear	1✓	S		
1021	Bird sp.	1✓	SE		gull-sized, possibly a jaeger.
1025	WRSP	1✓	W		
1028	WRSP	1✓	W		possibly same as above.
1031	WRSP	1✓	W		" " " "
1043	WRSP	1✓	W		
	Passerine	1✓	W		possible imm. from. heard coming
1046	WRSP	2✓	S		widely separated.
1049	WRSP	1✓	W		ahead of ship.
1053	BFA	1✓	W		follow ship. Rump patch - less.
1101	WRSP	2✓	CO		
1102	RED PHAL.	1✓	S		
1107	WRSP	1✓	CO		
1107	JAEGER SP	1✓	CO		
1108	" "	1✓	CO		imm dark (POM) SITTING ON FLOTSAM
1109	STORM PET	1✓	CO		
1115					150 ± LISSODELPHIS CHASED (OVER)

31-3-28



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

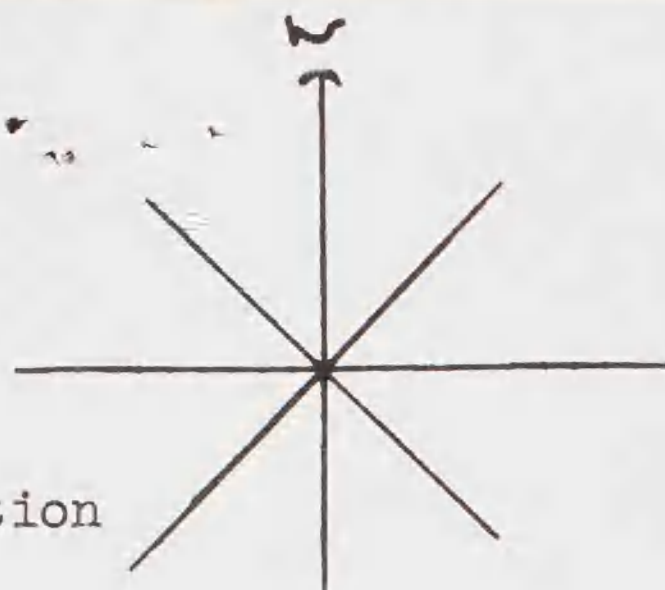
Date 26 AUG. 1967
Pg. # 4

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

1130	WRSP	10✓			} DURING CHASE OF DOLPHIN COW BIRD - 1 - SAME
	PHAL. SP.	1✓			
	JAEGER SP	2✓			
	CASSIN'S AUKLET	2✓			
1200					RESUME 270°T
1205	STORM PET	3✓	☉		
1230					
1233	XANTUS MURRIET	1✓			MORE OR SAME <u>LISSEODELPH</u> CHASED BATHY 50±
1255	WRSP	1✓	☉		
1256	STORM PET	1✓	☉		
1344	Red. Phal	1✓	NE		Flused to thrash as ship approached
1347	St. pet (dark)	1✓	S		no light wing patch; light the bars in wings seen;
1349	Phal sp.	1✓	E.		(band)
1359	WRSP	1✓	W.		light wing markings seen
1408	WRSP	1✓	NW		flight seemed more erratic than others.
1410	R. Phal	1✓	SW		
1420	Gull sp	2✓	NW		immatures, followed ship briefly & then continued on out to sea. Mostly dark brownish
1432	Gull sp	1✓	W		immature.
1434	Phal. sp.	1✓	SE		probably Red - light back
1441	Phal sp.	2✓	NE		dark markings - Northern?
1442	Gull sp	1✓	E		black wing-tips; fairly far away - looked & flew like a B-L Kittiwake
1446	Phal sp	2✓	W-SW		
1450	Seal sp	1	NE		earless, dark brown; ~5'-6' long.
1457	Bird sp	1✓	-		one moth, per to port - phalarope sized.
		37			

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 26 Aug 67
Pg. # 5

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
1517	WRS P	1 ✓	Q		} ON A WINDROW
	RED PHAL	2 ✓	Q		
1527	JAE G. SP	1 ✓	S		
C 1540	RED PHAL	20 ± ✓		140041	} 1 COL. } 140041 } ON A WINDROW
	STORM PET	1 ✓			
	DRSP	1 ✓			
1558	DRSP	1 ✓	Q		
1608	STORM PET	2 ✓	Q		
1618	WRS P	1 ✓	Q		
1630	DRSP	1 ✓	Q		
C 1640	LTJ	1 ✓	Q	140042	1 IMM / SO BAD COLL. CHAN
1650	WRS P	1 ✓	Q		
1655	BIRD	1 ✓	Q		dist. largish. darkish. Sooty Sh.?
1705					
1707	JAE G. SP?	1 ✓	SE		HUMPY REL. 2 "ICE CREAM CONE" BLOW → 20' rel. 2 SHOWED FLAMES & LOTS OF BACK, A GOOD SPLASH TOO CLOSE 1/3 MI. BUT ONLY GLIMPSED
1717	Shearwater sp.?	1	-		- a fleeting glimpse.
1720	R. Phal	1 ✓	SE		
1725	WRSP	1 ✓	SE		
1745					75 ± PORPOISE INTO SUN POOR LOOK DELPHINUS LAGS, CHASED FOR 5 MIN DID NOT FOLLOW; FLED DORSAL HIGH A SOME APPEARED TO HAVE LAG-TYPE WHITE IN DORSAL OTHERS UNCERTAIN; POST. WHITE STRIPE NOT SEEN WELL, PINK FOOT REL. 3 (OVER)
1750	SHEAR/PET				
1755	Cod				

PORPS.



YELLOW AS IN DELPHINUS HOWEVER,
BUT SOME WHITE IN DORSAL BUT NOT
DORSAL SHAPE OR TYPE OF WHITE AS IN
PREVIOUS PELAGIC DELPHINUS
NOT STENNELLA MAYBE NOT DALL
EITHER.

~~LHG.~~

DELPH.

~~ST. LUNG.~~

I THINK LHGS BUT YELLOW WHITE AND
DISTANCE FROM LAND SEEMS?

MOSTLY I AM CONFUSED ABOUT THIS BEAST
PARTICULARLY SINCE IT DIDN'T TRY TO RIDE THE
BOW?

IT WAS HOWEVER, BIGGER THAN A BREAD BOX.



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date ²⁶ ~~25~~ Aug 67
Pg. # 6

SPECIMEN
or

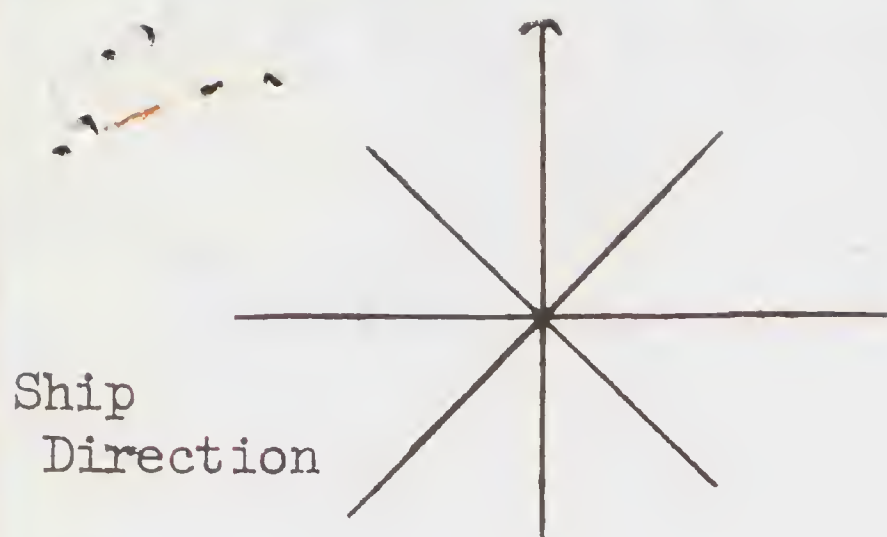
TIME SPECIES # DIR. BAND NO. REMARKS

1755	BRSP St. P. sp. S.P. sp. →	1✓ 1✓	NW W		far to port
1811					Have to inhibit other vessel chase purposes
1813	BFA	1	-		near vessel; dark rump & under tail coverts
1815					U/W to chase porpoises & ORCINUS <u>ORCINUS 25±</u> 2 "PURE" ALBINO PHOTOS 1 MOTTLED ALBINO TAKEN LT 2080 CAN
					PORP. & ORC. OCCASIONALLY MIXING - PRECISELY REL. NOT DET. PORPOISE CA. 25± DELP. "LAG" TYPE
1900					U/W on Westward course: ≥ 2 WRST
1900	WRSP	2✓			seen while chasing porpoises / killer whales.
1925	DRSP	1✓	S		
1930	STORM PET	1✓	☉		
1932					OR DELP. DALL? POR. 20± IN SUN DISTANT NOT CHASED - "THROWING THEMSELVES BODILY THRU THE VERY SEA AROUND THEM" AND WHITE PATTERN SEEN
1945	STORM PET	1	☉		
1951					SUNSET CLOSE OBS.

27 Aug

BREAKDOWN
ALL DAY 113 MI. (1)

BFA	4			4 ✓
P. bulleri	2		1	1 ✓
Storm Pet	1	3	1	5 ✓
Gaeger	1	2	3	6 ✓
Pink footed Shear	1			1 ✓
Red-Phalarope		2	1	3 ✓
Shear/pet		1	7	8
Pomarine	1			1 ✓
Bird sp.		2		2
WRSP		1	6	7
DRSP		1		1
Phalaropes			2	2
				(41)



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date
Pg.#

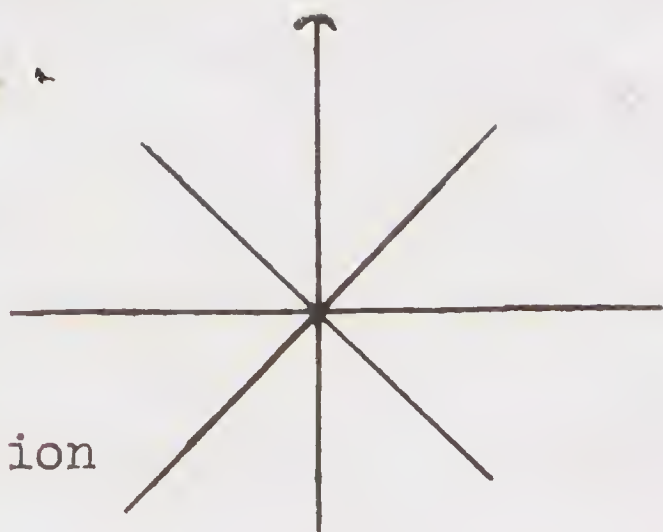
27
Aug 67

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0700	BFA	2 ✓	w		Begin obs. Sunrise = 0652 0652 following ship
0708	New Zea. Shear.	1 ✓	S-SW		following field characters noted: white breast, black, upper wings + head (upper) predominantly gray. Distinctive "W" pattern across wings. Flight shearwater like, slightly slower wingbeats than sooty, alternate flapping + short glides - viewed for ca. 1 min.
0719	BFA	1 ✓	w		"ring" of white around tail, not too extensive
0729	New Zea Shear?	1 ✓	SW		noted: white breast, gray upper, rapid shearwater flaps interspersed w/ short glides close to water. no high arcing.
	BFA	2 ✓	w		following ship; 1 w/ dark rump just a bit of light on wing, other w/ ring.
0740	BFA	3 ✓	w		3 rd just joined ship
0748	BFA	4 ✓	w		4 th " " " " ≥ 2 have white rump; these birds may be dividing their attention between us + the accompanying ship, 'tho 2 didn't see any following it.
0800	BFA	2 ✓	w		
0815	BFA	-0-	-		≥ 3 following other ship.
	Passerine sp.	1 ✓	w		small, mostly brownish, passerine fluttered behind ship briefly.
0822	St. pet.?	1 ✓	E		far to starboard; appeared small even through glasses
	BFA	1 + 3 ✓	w		1 following us + 3 following sister ship.
0830	Jays sp.?	1 ✓	w		followed ship for ca. 3 min + then settled to water. Dark brown above + w/ yellowish-brown, lighter breast. ca. gull-sized; wingbeats faster than gulls.
0845	Pink-foot Shear.	1 ✓	SW		
	C/L to 180°				

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 27 Aug 47
Pg. # 2

SPECIMEN

or

TIME SPECIES # DIR. BAND NO. REMARKS

0914	ST. PET. SP.	1 ✓	E		far to starboard; just a glimpse
0918	Bird sp.	1 ✓	E		St. pet size or slightly larger; rapid alcid-like wingbeats, but not sure it was an alcid. almost straight line flight w/ little veering.
0943	RED PHAL	1 ✓	ca		ON H ₂ O
0950					1 BONITA THEN IN
1040	STORM PET	1 ✓	ca		LARGE SCATTERED SCLER
1043	SHEAR/PET	1 ✓	ca		
1050	RED PHAL	1 ✓	ca		
1149	BFA	2	W		1 following ship; 1 sitting far to port
1240	WRSP	1	SE		fast, erratic flight.
1245	BFA	1	W		2 were following a short while ago
1313	BFA	4 ✓			just joined ship; some white in under tail
1320					garbage dumped & ≥ 2 "materialized" out
1420					3 numbers. 2 following ship now
1420	Jalguap	1 ✓	E		Begin porpoise chase (OVER)
1420	Storm				Resume bird watch
1420	Bird sp.	1 ✓	E		mostly dark; immature.
1426	Storm pet.	1 ✓	N		appeared superficially like a storm petrel, but flight seemed too steady & directional; white rump &/or under tail coverts.
1433					4/C 90° (E)
1510	Jalguap (LONG-TAIL?)	1 ✓			adult, black cap, dark brown wings & back, white breast, cheeks & neck plainly seen. no elongated tail feathers, but long-tail seems most likely possibility. was sitting on H ₂ O as ship approached, it flushed & flew off & settled again on H ₂ O.
1605	BFA	3 ✓	E		Has been following ship for ≥ 30 mi; scavaging on porpoise meat from splin
1637	WRSP	1 ✓	nw		loose, fluttery wing beats
1557	DRSP	1 ✓	ca		(OVER)

1850 - New Zea. Shear - 1 - S - Brilliant white breast, flanks & underwings, dark grey upper, black "W" pattern, especially noticeable in wing tips. Flap, short glide, flap routine, directional

1857 SPERM WHALE BLOW - 1 ANIMAL MANY BLOWS - SMALLISH PROB.
 1904 WRSP 1 ✓
 1906 PHAL. SP 1 ✓ S
 1918 JAGG. SP 1 ✓ E
 1928 WRSP 1 ✓
 1935 STORM PET 1 ✓
 1945 RED PHAL 1 ✓ CALLING, NOT SEEN
 1954

HDP

SUNSET CLOUDS.

1320 - DELPHINUS CA 50 ± 33% 1 COLLECTED ♂

1500 - PORPOISE CA 15 ASTERN GLIMPSED
 HALF TWISTS OBS., MAYBE DELPHINUS
 NOT CHASED

1705 - PORPOISE CA 50 4 MILES TO PORT
~~MAYBE~~ DELPHINUS - ACTING
 NOT CHASED

1724 - WRSP - 2 - W ✓

1732 - WRSP - 1 - E ✓

1745 - Phalarope sp. - 1 ✓ - - sitting on a piece of floating wood, dabbling its bill in water (feeding?).

1759 - WRSP - 1 - N ✓

1800 - Shear/pet - 6 - S - white breast, darker back & upper wings; stiff-winged flapping; alternate flap & short glides & alight on water; seemed about gull-size.

Shear/pet - 1 - N - looked like above, but was indely separated; white breast, light grey back & upper wings; dark "W" pattern in wings; maybe a.

→ Cook's petrel, but seemed too large & flight not erratic; much closer than above 6.

1825 - Jaeger sp. - 2 ✓ - - on water, flushed to N as ship approached.
 1 w/ white breast & one w/ mottled grey-brown breast. - neither had elongated tail feathers. (black cap)

28 Aug LT 2085

1				
BFA	2	1	3	
DRSP	3	2	5	
WRSP	2	1	3	
Stomach	2	3	5	-1
Red Phalarope	1	5 13	14	-1
Gaiger	2		2	-1
Alcid		2	2	
Ducks	(20+17)?			
Bird sp		1	1	
Phalarope sp.		4	4	
Shorebird sp		1	1	
Tern sp		1	1	
Passer		1	1	
			42 +	

BREAK DOWN

0645-1145 41 mi. (2)

1145-1939 51 mi. (3)

17
42/9
5

28 Aug 67

Pg. 1

0645 ————— Begin obs; sunrise.

0658 - Baleen
whale sp. - 1012 - W ————— far to port;

0705 - Whale sp. - 1 - ? - Spout seen ca 4-5 mi off starboard

0719 - BFA - 1 - E - just started following ship, none seen be-
hind accompanying ship. Dark rump; some
white in under tail coat.

0723 - BFA - 2 - E

0829 - DRSP - 1 - S

0907 - PORPOISE - 30 or - DELPHINUS? NOT CHASED

HIGH DORSAL TYPE w/ MUCH SPLASHING
RUNNING HARD

0951 - STORM PET - 1 - or

0952 - WRSP - 1 - or

0953 - SEAL sp. - 1 - ————— head out of H₂O

1009 - RED PHAL - 1 - SITTING ON H₂O A WINDOW OR SLICK

1015 - BFA - 2 - or

1050 - DUCKSP - 17 - SE - flying hi, a line, in sun, id? puddle-size

1127 - DRSP - 2 - or

1139 - Jaeger sp. - 1 - S - flying ca 50'-100' off H₂O; far ahead.
BFA 1 - E - following ship.

1152 - WRSP - 1 - N

1155 - Baleen
whale sp. - 2 - W - '80 CHASED - REPORTS 60' BEASTS

1205 - PORPOISE - 30+ - all Delphinus at least 1 with white-typo
dorsal, did not ride low chased &
fled

1212 DUCKSP - 20+ SE - FLUSHED BY '80 (AROUND WHALE 1155)
HIG
SEEN IN DISTANCE MAYBE SAME AS ABOVE SIGHT

1215 STORM PET. SP - 1 - or

1230 - ————— Stop - ship to make for other vessel to catch up.

~~WRSP - 1 - W~~

NO OBS.

1415 ————— resume underway watch

1435 - JAEGER SP. - 1 - E

1450 - BFA - 1 - eating a dead fish ~~31 present THIS~~ ~~2 DR Rumped~~
Bears

1501 - RED PHAL. - 1 - or ————— MEROYSTIS

28 AUG. 1967

P. 2

- 1535 BIRD - 1 - PHAL? DIST.
- 1539 - Storm Pet. - 2 - - -
- 1555 - WRSP - 1 - N
- 1557 - DRSP - 1 - E - Flight much more erratic & darting than the WRSP's.
- 1615 - Puffin sp. - 1 - NW - blutted near stem of ship momentarily, & then continued on NW course.
- 1622 - Baleen whale sp. (Sei?) - 2 - E - on basis of relatively large dorsal fin, they were Sei whales; ca. 3 mi to starboard.
- 1622 - Red Phal - 1 - NE
- 1632 - Shorebird sp. - 1 - SE - Small (phalarope-size); fast, directional flight, ca 30'-50' off water.
- 1648 - Baleen whale sp. - 1 - E - no prominent blowhole protuberance or dorsal fin.
- 1704 - Phal. sp. - 1 - W - mostly just blew, but occasionally seen to momentarily drop to H₂O surface, & then continue on.
- 1712 - " " - 1 - W - ditto behavior 1 1 1
- 1717 - Alcid sp. - 2 - N - Small, black & white. Approached bow & plopped down on H₂O ca. 1/2 - 1 mi. from ship.
- 1727 - Tern sp. - 1 - - - Hovered over & fed in & near raft of floating kelp ca 1/2 mi away. Observed for 3-5 min.
- 1730 RED PHAL. - 1 - - -
- 1735 Porpoise - FIN? 1; 3 BLOWS, HIGH; NO BACK NOTED
- 1736 DRSP - 1 - - -
- 1742 - RED PHAL. - 1 - - -
- 1745 - " " - 1 - - - landing on H₂O
- 1755 - PHAL. SP. - 2 - - -
- 1800 - RED PHAL. - 4 - - - ON H₂O 1 COLL. #140043
- 1800 - BFA - 1 - - - banded F.W.S. ALUM. WHITE RUMP. TOT: 3
- 1823 - STORM PET. - 1 - - - F2 dk BIRDS PRESENT
- 1830 - RED PHAL. - 1 - - - ON H₂O } FLY A FEW YARDS & STOP. - - - AT 1.
- 1833 - " " - 2 - - - ON H₂O } ↑
- 1835 - " " - 1 - - - " " }
- 1839 - " " - 1 - - - HOPSCOTCHING NORTHWEST

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS _____ DATE (GMT) _____ 19 _____

TABLE I

[illegible]

28 AUG. 1967

P 3

1845

DELPHINUS - 8± (AS COLLECTED)

ATTRACTED TO SHIP RODE OFF FRONTAL BULBILLY
NOT JUMPING

↑

NO BIRDS AND NO KELP

↓

~~1845~~

1939

SUNSET CLOSED 35

29th

BFA	3	✓	
WRSP	3	✓	-1
Sooty Shear	2	✓	-2
Phalarope	4	-	-1
R. Phal	22	✓	-1
Stem	6	✓	-1
Bird sp.	⊙ ⊙	?	
Mourning Dove	⊙	1	

~~1~~

48

~~42~~

~~Sperm whale~~

~~Longfin~~



Ship
Direction

YAB 10
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 29 August
Pg. # 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

Transfere effected the Am.

1015					begin obs.
1032	WRSP	1 ✓	888		
1035					2 large floating masses of kelp
1040	Phalarope	1 ✓	S		invisible when it dropped among the white caps.
1045	Sooty Shear	1 ✓			Sitting on Holt beside floating Kelp mass, flushed, blew several hundred yards and again landed beside floating Kelp. - Finally flushed & flew on.
1050	Red Phalarope	1 ✓	S		First of 5 facing Lt
1055	Shearwater	1 ✓			Again on kelp - bill "reflected" light. Birds (10-15) also seen appear heavy - possibility of <i>P. caurinus</i> ???
1100	BFA	1 ✓			light on underlying fur only mid wing up wing.
1100					very light bird - near white fur - a bit long.
1106	Sterna sp.	1 ✓	S		near floating kelp
1124					floating mass of kelp (possible <i>Phragmites</i>) with large mola under it.
Ent on land					
1132	Phalarope	1 ✓	S		
1135	"	1 ✓	SW		
1142	Sterna	1 ✓	S		Dropped to water to drink & continued on flying ca 30-50 above Holt
1147	Redphal	14 ✓	S		
1148	"	30	S		

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 29 Aug 67
Pg. # 2

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

1202 WRSP 1✓ SW

1208 R. Phal. 1✓ NE

1209 " " 1✓ —

1226 Red Phal 1✓ S

hanging over H₂O along ship, quite possibly same individuals as 1208 sighting

1300

1301 Bird sp. 1✓ S

still in kelp patches

Flying high and fast - possible large shearwater or storm.

1323

1330 Phalarope sp. 1✓ S

5 seen while - below still agitated against wind. Perched very low when blowing down wind.

1335 Birds 2✓ S

Fast & straight

1350

Fast & straight - 1 high ca 100 ft.

Possible phalaropes but ground larger.

RORQUAL 2 BLOWS

HIGH COLUMNAR, BACK BUT NO DORSAL SEEN

1438 Mourning DOVE 1 — ca

1445

1455 LITTLE BIRD 3 ca

WHALE; SMALL COLUMNAR BLOWS (POSSIBLE SE 1-8' SIZE)

1510 RED PHAL 1✓ SW

look out reports, I DIDN'T SEE 'M - IN SW. PROB. RED PHAL.

1513 BIRD 1✓ ca

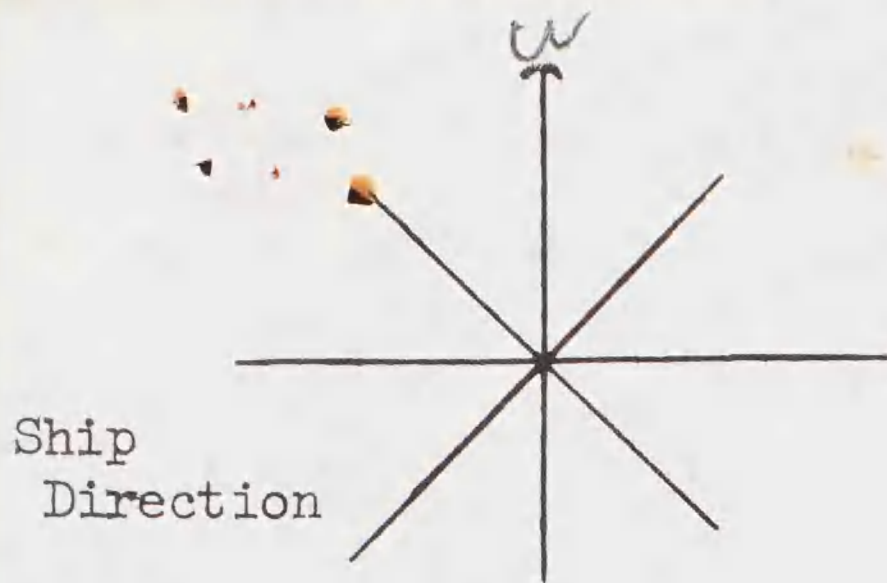
PHAL? Kelp Pres.

1518

1521 STERNA 4✓ W

WHALE, SHORT BLOWS BEING WINDSWEEP
1, PROB. SPERM 740.

LOW



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

SPECIMEN
or

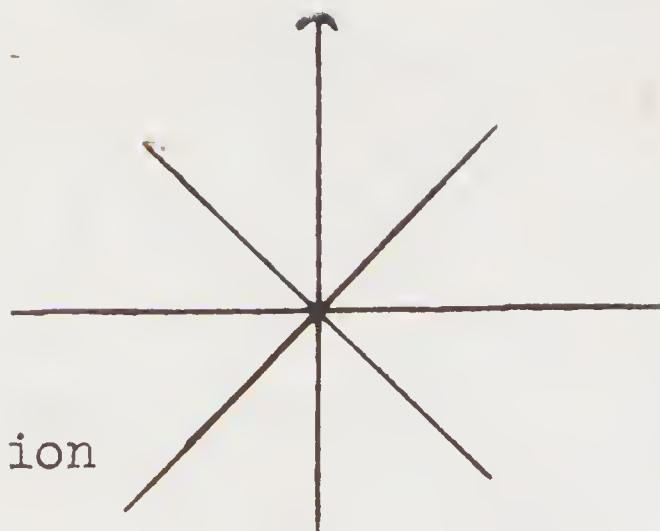
GRID
DIURNAL E-F

Date 29 AUG. 1967
Pg. # 3

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
1537					BALLEN BLOW - BLUE/SEA ?? NO DORSAL SEEN
1540	BFA	2✓	W		following ship; both have extensive white on head.
1618	WRS P	1✓	N		
	BFA	2✓	W		same two as 1540.
1710					small kelp patch - the first seen since 1530.
1729	BFA	3✓	W		following ship. 3rd just joined other 2.
1941					SS - 1/2 on air.

(48)

Ship
Direction



Neat
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 29 Aug
Pg.# 1

SPECIMEN
or

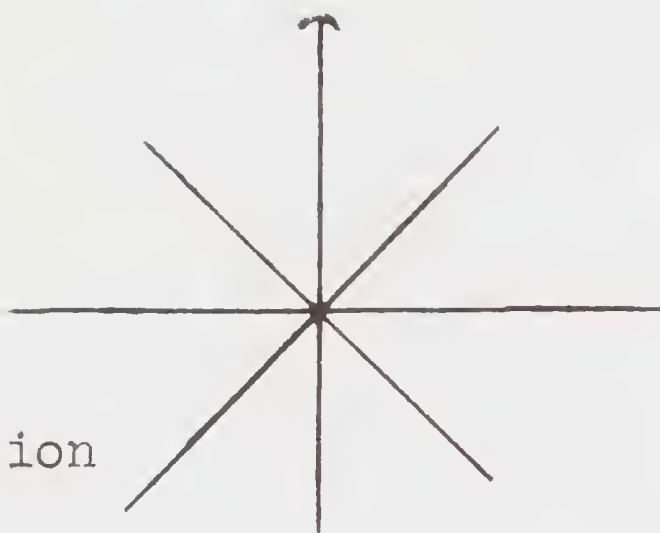
TIME SPECIES # DIR. BAND NO. REMARKS

2200					very close.
2315	Bird sp.	1			Rel 3
2350	R. PHAL	1+			calling
2400					CLOSE OBS.

R Ph change 1+

Bird sp. 1

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

SPECIMEN
or

lookouts reported #1's of Birds

Date 4 Sept '67
Pg.# 1

TIME SPECIES # DIR. BAND NO. REMARKS *on the 4-8 watch.*

0715					open obs. (late)
0729	Storm pet. BFA	1	NW E		following
0755					
0805	BFA	3	E		following. Saw Herd Small floating Kelp patches.
0950					Report Bird. 0945 DEPART GRID
1014					
1030					Kelp patch - small CLOSE
1140					OPEN
1143	MOORE DOVE	1	CE		
1245	WRSP	1	CE		
1150	DRSP	1	CE		
1153	JAEV.SP	1	SW		LTJ? CLOSE
1300					OPEN
1340	Bird	1	E		Shear/Pet - appearing.
1400					
1425	Stompet. (SP)	1			U/W from man overboard drill.
1440	Stompt WRSP	1	SE SW		
		1	NE		
1443	WPS P	1	NW		possibly same bird as 1440 NE.
1446	Stompt.	1			
1500	Bird	1	S		small (< stompet), light colored (grayish), fast, directional. Phalarope?
1520	WRSP	1	W		
1640	BIRD	1			1600 Kelp & Flying Fish look out
1740					CLOSE OBS.

30 Aug

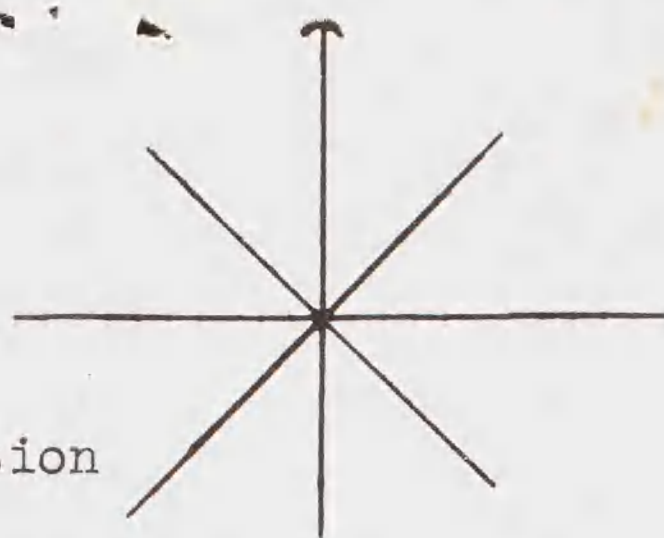
BFA	7
Stone Pch	8
WRSP	1
Parasites Jaeger	1
cow bird	1
	<hr/>
	18
	<hr/>

Cooks Pch 1

12

Delphinus 66

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

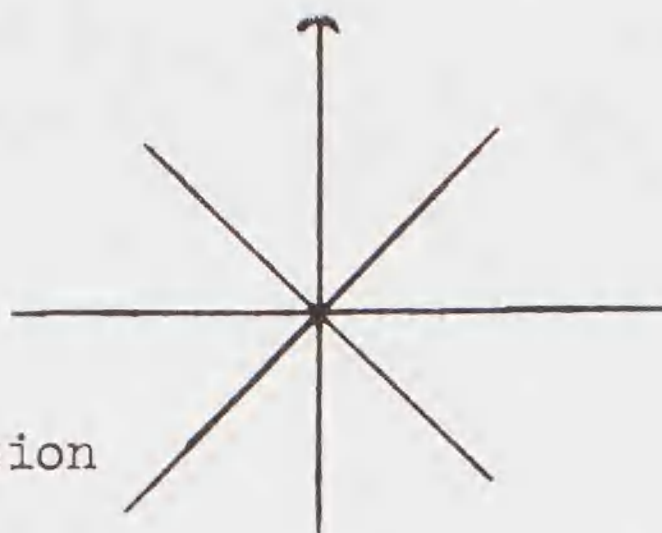
Date 30 Aug. 67
Pg. # 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0700	BFA	3✓	W		Begin obs. following ship.
0712	BFA	4✓	W		" "
0737	Storm Pet	1✓	W		thought I caught a glimpse of a white rump, but not sure.
0805	Leach's Pet	1✓	E		very small rump patch; fast, darting flight.
0815	BFA	7	W		all were following ship a few minutes ago, but 5 are now sitting on H ₂ O together + 2 following
0858					Single kelp frond.
1005	Bird or	1	S		ca 2 mi. off.
1012	Storm Pet	1✓	SW		
1015	Shear/Pet	1✓	SW		
1115	COWBIRD	1✓	SW		Providence (Cows Petrel - Red 2)
1153	Storm Pet	1✓	E		
1300	BFA	4✓	W		eating garbage astern
1310	Storm Pet	1✓	W		KELP
1345	Storm Pet	1✓	W		hovering over wake astern of ship.
1354	Jaeger sp	1✓	S		Immature/dark plumage (dark); short, sharply pointed elongate central tail feathers. C/C 180°T
1530					
1544	Storm Pet	2✓	SW		
1800	BFA	7✓	W		
1845					DELPHINUS CA 60 RIDING BOW
1944					Variations: From largely white dorsals to all dark. Flippers from light to dark, showing white on top of Beak and forward of flukes on dorsal surface - may be bubbles or color aberration due to flow of water. SMALLER ONES (3-4) APPEARED LIGHTER GRAY ABOVE
					SUNSET - CLOSE OBS.

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

SPECIMEN
or

Nocturnal

Date
Pg. #

30-31 Aug
1

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
2220					begin obs.
2220					
2330	RED PHAL	1			HEARD NOT SEEN, SEEN FOLLOWING
2335	WRSP	1	002		AT 2345.
2350	RED PHAL	2	002		FOLLOWING LUNE CALLING AND SEEN
0015	JABGER.SP	1	002		A PAIR PRESENT AT 2400
0025	RED PHAL	4	002		VEERED INTO LIGHT AND THEN LEFT
0050					QUICKLY FLUSHED CLOSE OPS

30 AUGUST

2220-2400 1.7 HRS 16 MI CW

31 AUGUST

0001-0050 0.8 HRS 8 MI CW

TOTALS

RED PHAL - 7
WRSP - 1
JABG.SP - 1

9

2.5 HRS 24 MI.

65.0
49
2

31 August

(5)

(6)

BFA

8
~~13~~

(13)

WRSP

4

(-1)

S. horned

2

(-1)

Sooty Shear
~~1400~~

1

~~1400~~ Jaeger

1

(-1)

Semipal Plover

1

Pectoral Sandpiper

1

Duck sp.

8

Bullheads

Oriole

1

Mourning dove

1

Bird sp.

1

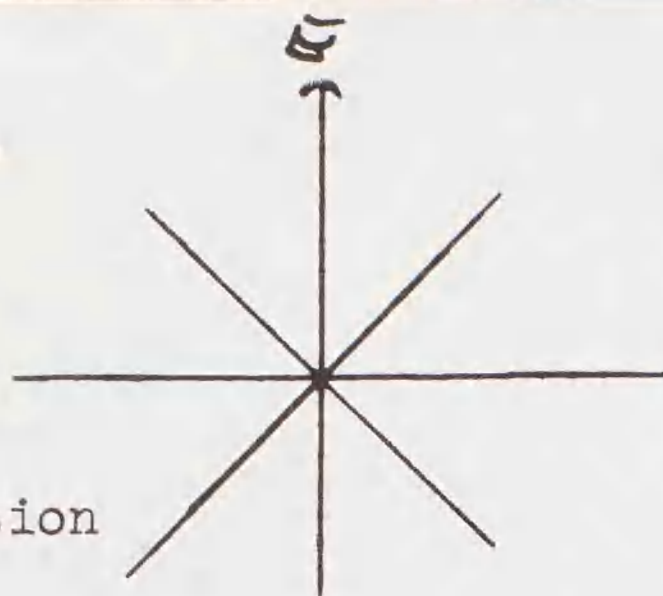
34

47

8

39

Ship
Direction



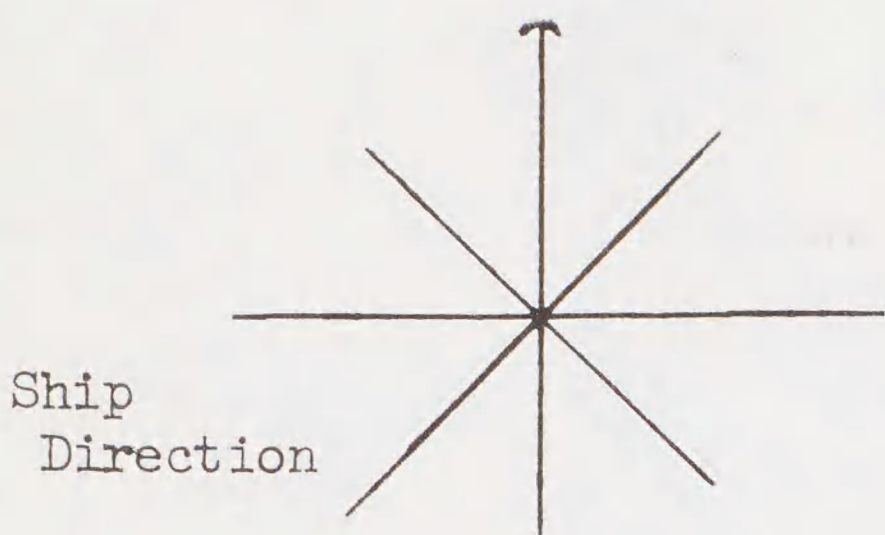
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

SPECIMEN DIURNAL
or G-4

OBSERVERS:

Date 31 AUG. 1967
Pg. # 1

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
0652					SUN RISE BEGIN OBS.
0800	Duck sp.	8	N		DARK, IN A LINE, LOW TO 50', DIST.
0830	BFA	3 ✓	ce		
0920	Pectoral Sandpiper	1	n		
1115	WRSP	1 ✓	SSW		
1116	Semipalmated Plover	1 ✓	SSW		Rel 0. Small, short bill, heavy chest band. Calling.
1132	WRSP	1 ✓	SSW		
1140	1240 - Oridia	✓	.		Prob. Bullocks Rel 3 - shot off main mark & lost in water - failed to retrieve with B. whaler.
1330	WRSP	1 ✓	SSW		- all three have been headed in northerly direction
1428	STORM PET	1 ✓	ce		VERY SMALL, ALL DARK, FAST LOW FLIGHT COULD NOT SEE TAIL SHAPE
1600					15 DELPHINS, DID NOT RIDE BOW
1620	MOURNING DOVE	1 ✓	ce		
1630	BFA	7 ✓	ce		
1631	SOOTY SHEAR.	1 ✓	NW		
1705	BIRD	1	W		SMALL, DISTANT, ABOVE HORIZ.; PHAL??
1722	BFA	8 ✓	E		following ship.
1820	WRSP	1 ✓	N		
1830					3' dia. piece of kelp.
1833	Jaeger sp.	1 ✓	SE		light phase.
1917	BFA	10-15 ✓	ce		feeding on garbage dumped on water
1939	Storm. pet	1 ✓	ce		" " " "
					end obs - sunset!



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

SPECIMEN
or

Nocturnal

Date 31 Aug
Pg.# 1

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
2300					Begin Laying to try 1) mist net - flouting. <u>Flop!</u> 2) Baiting squid - No luck either!
	R. Phalarope	25 ± 5		8888	
	Cook's Petrel	2			
	Jacquer sp.	1			
	Shear Pet.	1			
0130					close obs.

BFA

2 -

2

4

WRSP

14 (-2)

5 (-1)

19

Storm Pet

4

10

14

Shear/pet

1

1

(7)

1 Sept.

(4)

(16)

3

(14)

(1)

Jacger

2

1

3

(2)

Alcid

3 (-)

3

(3)

3

Peep

1 (-)

1

(-)

1

Mourning dove

3 (-)

2 (-1)

5

(1)

4

Band-tailed pigeon

1

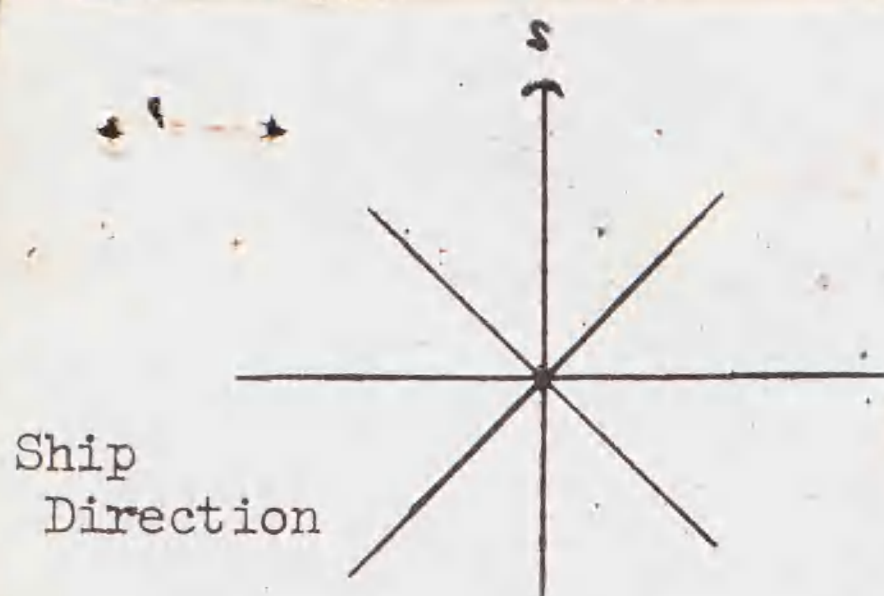
1

(1)

31

20

51



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

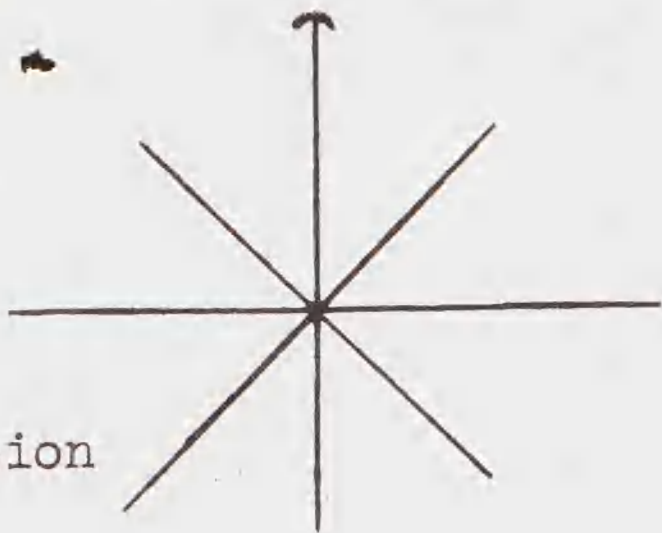
Date 1 SEPT. 1967
Pg. # 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0639					SUN RISE BEGINS
0710	WRSP	1 ✓	CEL		
0713	MOURNING-DOVE	1 ✓	CEL		
0718	" "	2 ✓	S		
0734	PEEP	1 ✓	CEL		LEAST / WESTERN
0735	WRSP	1 ✓	CEL		
0736	ALCID	3 ✓	CEL		FLUSHED WEST, BLACKBOWE, WHITE BELOW, SMALL (ER THAN XANTUS?)
0748	BFA	1 ✓	CEL		
0800	WRSP	1 ✓	CEL		FIRST TO ARRIVE, JUST NOW
0807	"	1 ✓	CEL		} SMALL UNREST WITH NARROW WHITE
0810	"	1 ✓	CEL		
0820	BFA	2 ✓	CEL		
0825	JAEGLSP	1 ✓	NE		
C 0828	BAND-TAIL P.	1 ✓	CEL		LANDED ON AFTER MIST. COLLECTED
0855	WRSP	1 ✓	CEL		
0920	"	1 ✓	CEL		
1002	Storm Pet	1 ✓	SH		
1015	Gauger	1 ✓			imm - on water.
1016	WRSP	1 ✓			
1020	shear/pet	1 ✓			high arching - Pterodroma / puffins
1032	WRSP	1 ✓	S		for off
1038	WRSP	1 ✓	S		
1052	WRSP	1 ✓	SH		
1100-1110					
1115	WRSP	1 ✓	SH		Delphinus ca 9 - at least 2 with white in dorsal & one small animal.
1118	Storm Pet	1 ✓	SH		
1132	WRSP	1 ✓	SH		
1133					small mass of Neocryptus or phalaropus.
1134	WRSP	1 ✓	N		
1148	Storm Pet	1 ✓	NW		
1145	Storm Pet	1 ✓	N		

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 1 Sep 67
Pg. # 2

SPECIMEN

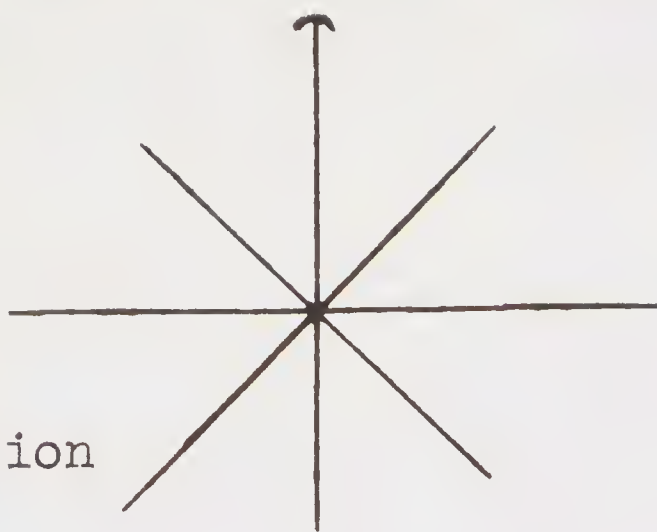
or

TIME SPECIES # DIR. BAND NO. REMARKS

1148	Stom pet	1 ✓	SE		
1149	" "	1 ✓	SE		definitely a different bird than 1148
1154	WRSP	1 ✓	W		fast, darting flight, also O. l. blacki (stan.)
1157	Stom pet	1 ✓	W		(port)
1205	Mourning Dove	1 ✓	SE		Circled ship ca 3X. Last seen heading N.
1217	WRSP	1 ✓	W		fast, darting
1220	WRSP	1 ✓	W		" " , possibly same bird. dead ahead.
1228	Stom pet	1 ✓	W		port.
1236	Stom pet	1 ✓	W		stan.
1251	Stom pet	1 ✓	W		stan.
1300	Stom pet	1 ✓	SW		port.
1308	Stom pet	1 ✓	SE		ahead.
1318	Stom pet	1 ✓	SE		port.
1334	Stom pet	1 ✓	SE		port.
1705	WRSP	1 ✓	SH		
1712	Gull sp	1 ✓	SH		
1808	BFA	3 ✓	W		following ship. 2 were with ship ca 1200.
1812	BFA	4 ✓	W		" "
1915	Mourning Dove	1 ✓	SE		collected. Field No. <u>140045</u>
1935	WRSP	1 ✓	W		
1940					and obs. sunset.

20

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Nocturnal
S

Date 1 Sept
Pg.# 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

2200

begin obs - Looking to
Stars bright -
No overcast

2400

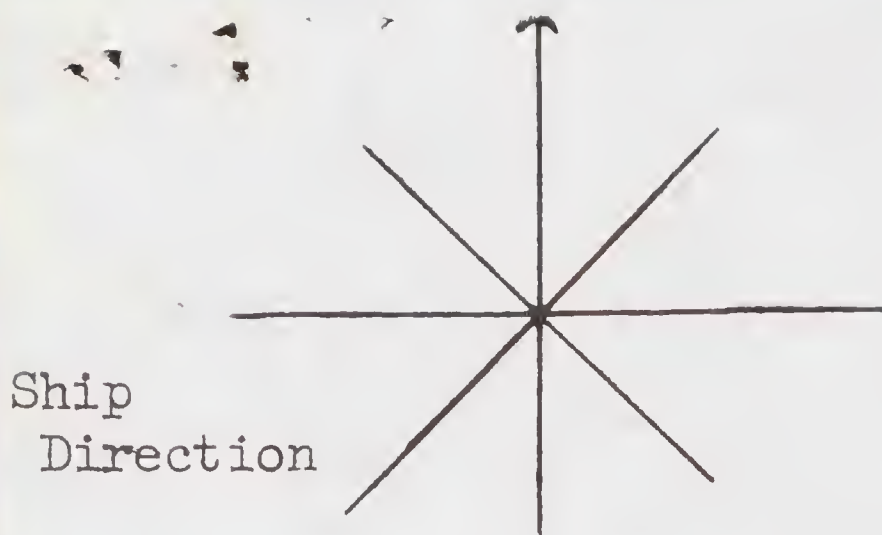
close obs

2 Sept.

BEA	2	3		5
WRSP	14	6		20 (-2)
DRSP	1			1
Storm Pet	15	20	3	38 (-7) ✓
Juicyer	1			1 (-) ✓
Passarin	1			1 ✓
PPM		1		1 ✓
Shearwater sp.		1		1 ✓
Bird sp		2		2
Pigeon sp.		2		2

47% of the birds
 recorded in 3.8 hrs
 of stop time ie 29%
 of downed stop time.

72



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 2 Sept. '67
Pg. # 1

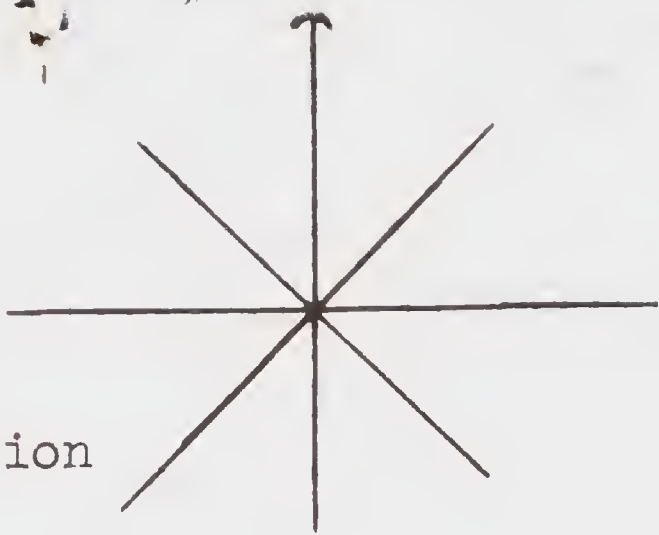
SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0453					Begin obs.; sunrise.
0715	BFA	1	W		following; just joined ship.
0715	BFA	2	W		" ; 2nd " " " "
0740	Storm Pet	1	W		-bar to port.
0814	WRSP	2	SE		chasing each other
0832	Storm pet	1	N		little or no white rump patch; had ample opportunity to see a conspicuous one.
0834	" "	1	S		
0835	" "	1	N		possibly same bird as 0832 sighting.
0841	Storm pet.	1	NW		
0845	Storm pet	2	SE		followed ship briefly; watch spotted then first + 2 seen one momentarily.
0850	Jaeger sp.	1	SE		mostly dark brown w/ buff-yellow breast; no elongated tail feathers; relatively indistinct cap.
0910	Passerine	1	SE		briefly stayed w/ ship.
0920	Storm pet	1	W		past, directional flight
0939	DRSP	1	SE		tail seemed longer than the typical WRSP; noted no deep fork in tail. Size ca. = WRSP.
1018	WRSP	1	SE		
1125	"	1	SE		
1143	STORM PET	1	SE		
1150	WRSP	1	SE		
1153	STORM PET	1	N		
1159	" "	1	SE		
1208	" "	1	SE		following [1225 SKIFF IN]
1231	" "	1	N		
C 1240	WRSP	1	SE		1 col. DELONG-SKIFF
C 1246	"	1	SE		" " " "
C 1253	"	1	SE		" " " "
C 1303	"	2	SE		" " " "
1305	STORM PET	1	N		1 COL " " 1 SEEN SKIFF
C 1312	WRSP	1	SE		" " " "
1315	STORM PET	1	SE		1 COL " " " "
C 1320	WRSP	3	SE		NORTH MOVEMENT 1 COL DELONG-SKIFF 2 SEEN SKIFF

Note - 10 Storm
Petrel collected 1240
to 1405 hours. Nos
140047 to 140056

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

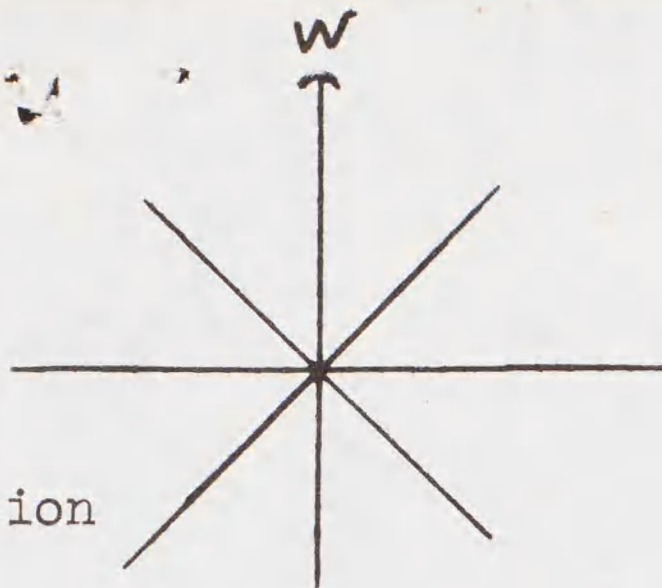
OBSERVERS:

Date 2 SEPT 67
Pg. # 2

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
1327	STORM PET	1✓	N		40°
C 1332	WRSP	1✓	ee		1 col. delay - skiff
C 1340	WRSP	2✓	ce		
C 1350	STORM PET	1✓	ce		1 partly WRSP COL SKIFF DELONG; 1 WRSP OBS.
1351	" "	1✓	N		coll delay skiff bleed
1400					1 PORPOISE SURFACED ONCE OFF BEAM
C 1405	WRSP	1✓	ce		ID?? 1 COLL. SKIFF
1414	Storm pet.	1✓	N		
1414	" "	1✓	NW		
1414	" "	1✓	SE		
C 1419	R. Phal.	1✓	Q		coll - skiff. - 140046
1422	WRSP	1✓	Q		spotted from skiff.
1452	Storm pet	1✓	Q		
1525	" "	1✓	Q		
1530	Storm pet.	1✓	Q		
1537	Storm pet	1✓	Q		
1540	WRSP	1✓	N		→ N
1543	Storm pet	1✓	W		no conspicuous white rump patch seen; good opportunity to see one.
1550	Storm Pet	1✓	W		
1557	" "	1✓	E		
1602	" "	1✓	Q		being chased by skiff (men in).
1607	Storm pet	2✓	Q		1 on H ₂ O + 1 @ W.
1615	PEEP	2✓	ce		close to foreboard skiff out →
1650	BFA	3✓	W		bolting ship
1655	Bird	2✓	Q		watch on other side of ship reported "2 small birds" probably storm petrels.
1730	BFA	5✓	Q		4 sitting, 1 bolting.
1742	STORM PET	1✓	ce		
1805	" "	1✓	ce		
1815	" "	2✓	ce		
1830					PORP. - 5+ DELPH. ?? DIST. NOT JUMPING
1850	SHEAR. SP	1✓	S		N.Z. / PINK FOOT - 10 LRG, WITH DELPH (DISTANT INSUR)

Ship
Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 2 SEPT. 1967
Pg.# 3

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

1913 STORM PET 1 ee

1925 " " 1 ee

1940 " " 1 ee

1946 ————— SUNSET CLOSURES.

3 Sept.

BFA — 3

WRSP — 4 (-1)

Cock's Pet 2

Straw Pet 3

RBTB 2

Shen water sp 1

Juiper sp. 1

Bird sp. 1

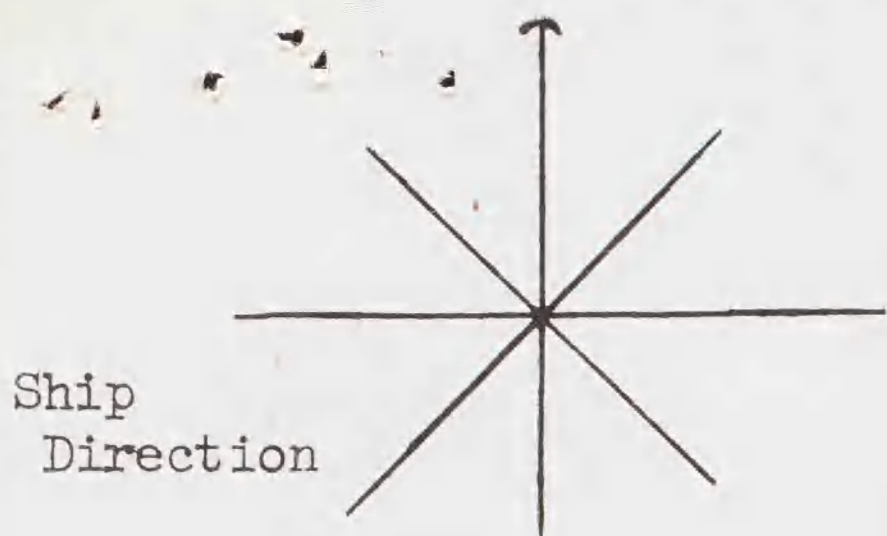
Passer 1

Semi Palmarated Plover. 1

Con bird 1

20

260 Delphinium



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

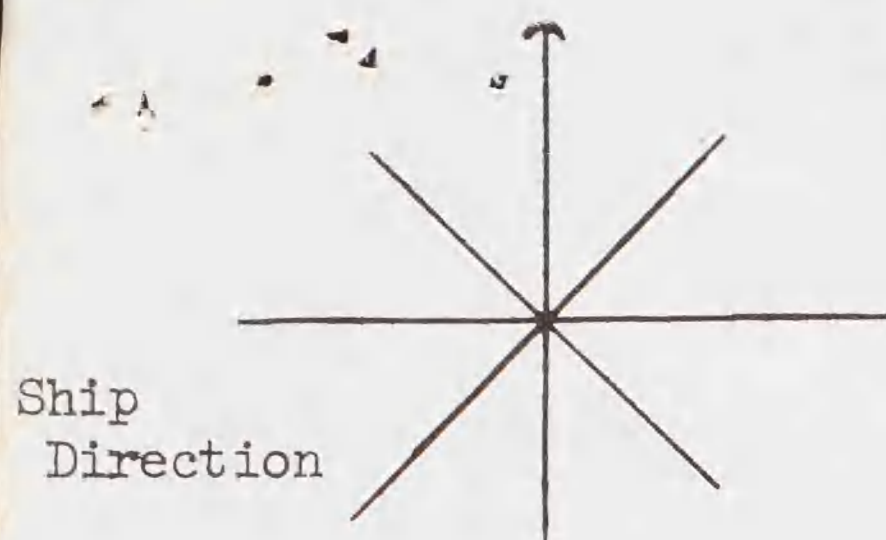
Date 3 Sept
Pg. # 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0645					- SK - begin obs
0645					Wind coming up with the sun
0646					double
					Slick running NE-SW - by lastly
					from horizon to horizon - are ca
					500 yards apart.
0700	BFA	3			
0830					Just coming in, blowing.
0850	WESP	1 ✓	SE		skiff out
1020	Cook's Petrel	1 ✓	SE		collected from skiff #140057
1037	WRSP	1 ✓	E		
1053	Bird	1 - ✓	SE		appeared mostly white; far to port,
1130					dis in air, possibly arcing.
1150					skiff in
1225					lunch break
					Resume watch.
1320					Delphinus ca 150 ± 10. about 30
					Came to the bow. Many had the white
					markings on the dorsal - the majority - however
1358	Pink-foot Shearwater sp.	1 ✓	SE		Reliability of Genus only. light on under- sides seen, but back & upper wings dark too??
1425	WESP	1 ✓	SE		
1515	Jays	1 ✓	SE		Ca 150 above water
1535	Delphinus	N			
1627	Passerina	1 ✓	SE		no white dorsal

Delphinus (cont.) They did not any of them have the sharply demarcated white as was seen last trip or earlier. One animal came straight out of the water and fell back on its side - repeatedly. The animals were spread over a mile front.



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 3 SEPT. 67
Pg.# 2

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

1640 RBTB 1 ~~ee~~ ad. flushed

1645 Dolphins ca ~~35~~⁶⁰ - N - No white dorsals
seen. Three small animals trailing
Port.

1718 RBTB 1 ~~ee~~ flushed, age?

1750 Dolphins - 30 seen

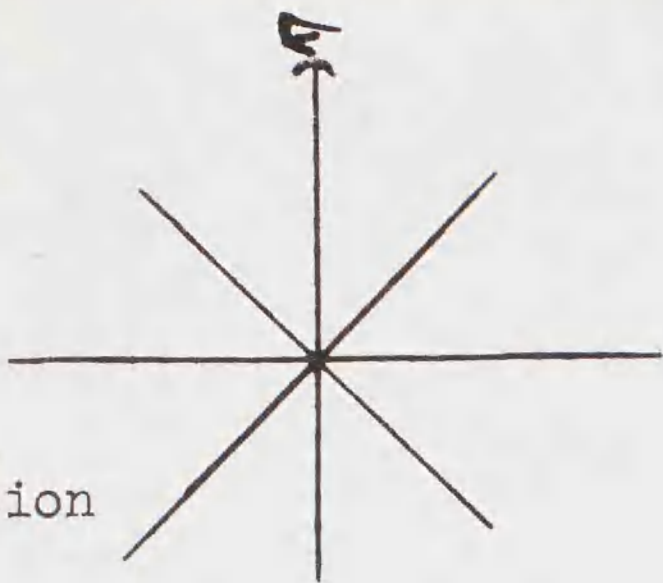
1802 Sev's Petrel
Plum 1 ~~ee~~ seen - 5-
Curly ship - cutting - under list.

1805 Storm Pet. 1 ~~ee~~ SW
1815 WRS P 1 ~~ee~~ NORTH

C 1900 COWBIRD 1 ~~ee~~ 1 collected Chon - on deck #140058

1905 COOKS PET. 1 ~~ee~~
1920 STORM PET 2 ~~ee~~ N fide JOHANSEN REL 3

1939 SUNSET CLOSE OBS.



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

SPECIMEN

NOCT

Date 3 SEPT 1967
Pg.# 1

or

TIME SPECIES # DIR. BAND NO. REMARKS

2120

BEGIN OBS.

2315

Bird.

1

Q

larger than storm petrel, cg.
Pterodroma caesi sized; light
appearing breast blutter light.
Could have been a mourning dove
even.

2320

end obs.

U/W from 2300 → 2320.

stopped 2120 → 2300.



Ship
Direction

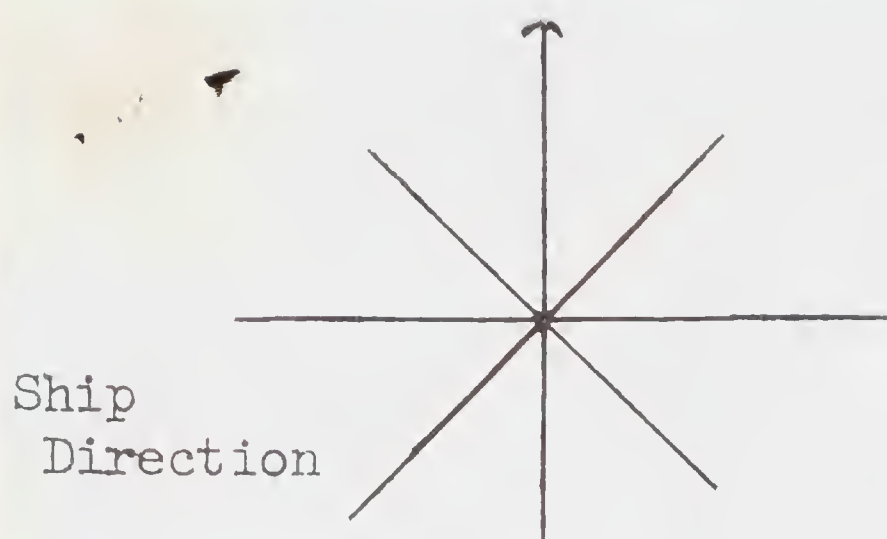
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Date 5 Sept 67
Pg. # 1

SPECIMEN non-gird
or

	TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
C	0648					Begin obs
		Mourning Dove	3			1 coll. #140059
	0700					Delphinus - 4 - rode bow for 4 min. 1 w/ light color in middle of dorsal
	0703	Western gull	8	NE		ball on side; adults
		BFA	1			ball on
	0705	Bird	1	E		"small, close to water" - spotted by seaman
	0711	Shearwater	1	W		all dark - Sooty? - enter as Sooty rel 2
		Bird	1	E		Phalarope?
C	0725	Passerine	1	S		Collected - species? Not Brown-headed coulin but superficially appears to be a Blackbird. <u>immature</u> . - #140060
	0730	Shearwater sp.	2	SW		appeared all dark; fairly rapid wing beats interspersed short glides - Sooty?
		Phalarope?	1	NE		small; 50' over water mostly light grey - far away.
		Passerina	1			circle ship; ca like imm. B-H combined
		Passerine h	1			" " ; much smaller, light breast
		Western gull	14			14 on water; ca 6 flying.
	0743	Passerine	1			possibly passerine "a" alone.
	0750	Mourning dove	3	NE		NE NE → SW
	0755	Jaeger sp	1	S		parasitizing mourning doves; light breast, dark cap cheeks appeared white; fairly large; ca. Cal. gull - sized.
	0805	BFA	2			gall on.
	0815	Mourning Dove	3	E		Begin man overboard drill.
		Passerine	1			looked like the 0725 coll specimen



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

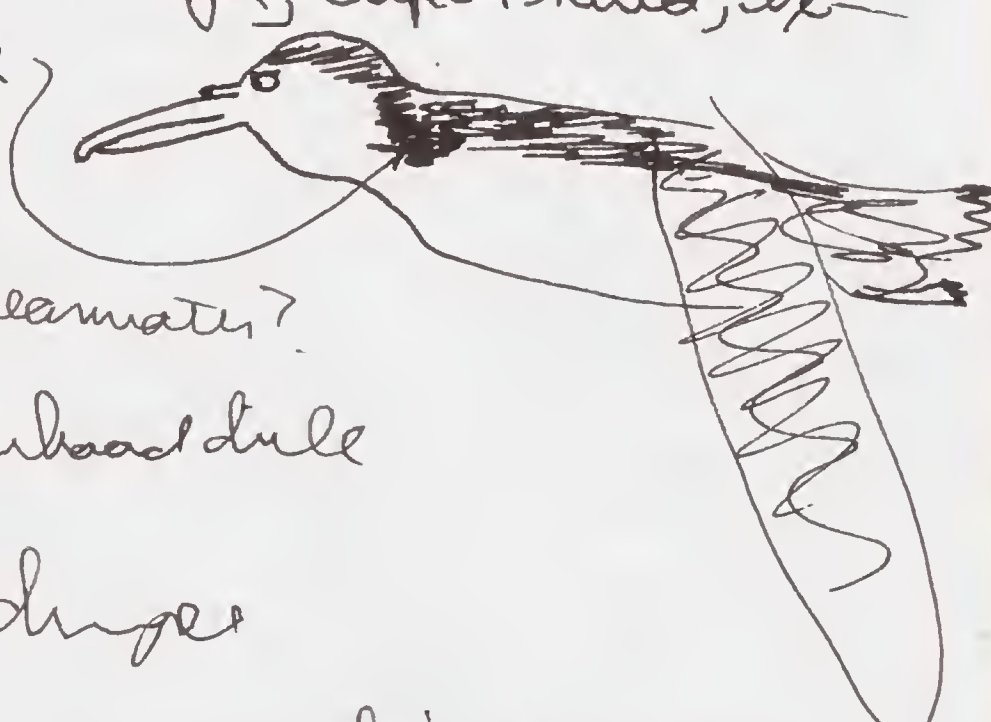
OBSERVERS:

Date 5 Sep 67
Pg. # 2

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

0840	Br. Pel	1	SE	—	sitting
	Shearwater sp.?	1	SE	—	white breast; glial short wings, stiff- winged blade, slower than sooty. Very dark back, upper wings, capon head, ex- tending onto neck. Sooty-sized, not conspicuously larger. Newell's shearwater?
0850	Mourning dove	1	SE	—	
0855	Pinkfoot	2	SE	—	U/W from man overhead dule
	Wester gull	50±50%	—	—	garbage & just dunes
	Passer	2	SE	—	small; in B-H. combined appearing.
0857	Mour. dove	2	SE	—	
0908	Baseline	1	SE	—	
0910	N. f. hal	13.	SE	—	on water
0915	BFA	1	—	—	following
	Pink-foot	1	SE	—	
	Br. Pel.	4	SW	—	
0922	Br. Pel	3	W	—	
	Mour. Dove	1	SE	—	
0927	Duck sp.	4	S	—	
	Sooty Shear	1	SE	—	
	Br. pel	4	SE	—	on H ₂ O.
0930	Mour. Dove	1	SE	—	
	Pinkfoot	1	W	—	breast mostly white, but some dark & some beneath wings, some mottling
0937	Sooty? Shear	1	NW	—	appeared all dark; very narrow wings
0945					End obs



remains of EAC 22
& Grid # 12

3

Bathythermograph data collected on this trip promise to yield significant environmental data, but at this time we have not analyzed these data.

Efforts to collect birds with floating mist nets were unproductive. Possibly given a smaller ship, i.e., less freeboard thus easier to work from, this technique could be productive; however, a single net set in the sea is a very small sampling device and appears rather insignificant. Attempts to dip-net squid on the one night failed. There were squid in the waters but they remained at depths beyond the range of the dip-net. This is however a proven method of cephalopod collecting and warrants further efforts.

One of the aberrant Delphinus was collected from the tugs. Full measurements and photos were taken of this animal. All attempts to collect these animals from the YAG again failed. This animal was very abundant in the Grid during this survey (See SA Manuals). Larger cetaceans were found only in the north and central portions of the Grid.

Black-footed Albatross

Distribution of albatross appears random. The birds showed little inclination to follow the tugs used on the northern legs of the survey. The presence of largely white-faced birds with light-appearing breast and belly feathers was noted.

Pink-footed Shearwater

Two birds were recorded in the northeast section and one in the north-central section of the Grid.

New Zealand (Buller's) Shearwater

One bird was positively identified in the northwest section of the Grid.

Sooty Shearwater

Three birds were recorded in the north and central sections of the Grid. This species is still in low numbers outside the Grid area.

Cook's Petrel

Three birds recorded and one collected. These birds apparently represent stragglers of the mass movements recorded during EGS 10.

Storm Petrels

WRSP	94
DRSP	15
Storm Petrel sp.	90

All birds observed, with one exception, are believed to be Leach's-type Storm Petrels; the exception being a small, all-dark bird observed on 31 August at 32°30' N, 123°19' W. This bird represents the first possible record of a Leach Petrel (Halocyptena microsoma) in the Grid.

The distribution of storm petrels during the survey did not appear random. Densities were high in the north and southern sections of the Grid. Density in the central section appears low; however, these data may be misleading. Seas were choppy during the survey of the central portion and generally smooth during the survey on the northern and southerly sections of the Grid. It is possible that sea conditions such as encountered in the central section reduce the radius of visibility enough to explain the low numbers recorded. It is well known among field observers that storm petrels are difficult to see in choppy seas (6-8 ft.), but it is not possible to assign a quantitative adjustment factor to these data to account for environment changes.

The high linear density of storm petrels in sector 7 is discussed earlier in the report. In summary of that discussion the recorded density is higher than actual densities due to smooth seas and observations from the skiff. Both factors increased the radius of visibility yielding greater numbers of birds recorded.

Red-billed Tropicbird

Two birds were recorded in sector 9 of the Grid.

Red Phalarope

Sixty-nine percent of the phalaropes were recorded in the northern section of the Grid. Birds were again recorded in the vicinity of slicks believed to be indicative of oceanographic fronts. These slicks were found in the east side of sector 2, as was the case on EGS 11.

The nocturnal abundance of phalaropes in the central section is of interest. On the night of 3 August, after seeing no phalaropes during the day, ca. 25 birds were recorded during 2-1/2 hours of nocturnal observation. The birds are attracted to the ship at night given proper overcast conditions. But on this night the ship was drifting (essentially remaining in one area) and such high numbers are difficult to explain. Do the birds move primarily at night and stay on the water during the day, or is there another explanation?

Jaegers

Parasitic Jaeger	1
Long-tailed Jaeger	1
Jaeger sp.	21

Jaegers were also centered in the northern section of the Grid, where 83 percent of the birds were recorded. Specific identification of these birds remains a problem as they seldom come close to the ship.

Alcids

Xantus Murrelet	1
Cassin Auklet	2
Alcid sp.	5

These five birds were recorded in the north and central sectors of the Grid, i.e., sectors 3 and 6.

Sterna sp.

Six unidentified birds were recorded in sectors 3 and 6.

Gull sp.

Four birds were recorded - not to species - in sectors 2 and 3.

Accidentals

Ducks sp.

Twenty-five birds recorded in two flocks in sectors 2 and 5.

Mourning Dove

+ - present
0 - absent

0	0	0
0	+	+
0	+	+

Seven Mourning Doves were recorded in sectors indicated above.
Collected.

Band-tailed Pigeon

Records - 2 in sectors 5 and 9.

Brown-headed Cowbird

One bird seen each in sectors 4 and 8.

Bullock's Oriole

One bird landed on the main mast on 30 August while in sector 4. It was shot but fell in the water and was lost.

Mammals

Nine hundred thirty-nine mammals recorded in the Grid area (all but two were Cetacea).

Dolphins

This was the most abundant mammal in the Grid area with a total of 677 individuals recorded. One specimen was obtained 27 August at 34°20' N, 126°27' W. Complete measurements and photos were taken of this animal, and the skeleton roughed out and saved.

Great variance in coloration of extremities has been noted during past surveys. During this survey the animals recorded had small amounts of "dirty white" in the dorsal and on the flippers, whereas those seen and photographed on earlier cruises had brilliant white markings. The explanation of the change is believed to be one of two factors: 1) The mammals recorded in the area earlier have moved out of the Grid area, probably north or northwest, and those recorded on this survey were arrivals of another population (probably southern as northerly movements are evident); or 2) The white coloration is a secondary sexual characteristic which is becoming poorly defined in the "nonbreeding seasons." We have had extensive correspondence with Cetalogists on the West Coast and none can offer an explanation to this problem.

Lissodelphus

The appearance of this animal in the northern section of the Grid suggests that the southerly movements of the species are beginning.

Orcinus

A pod of 25⁺ "killers" was seen at 34°53' N, 123°19' W. Loosely associated with this pod were two animals which showed large amounts of albinism. The animals were chased for some time and well-observed. Photos were taken by tug crewmembers and hopefully will be of value.

Whales

Baleen whales still predominated in the area. The concentration of all whales was in the northern section of the Grid area. That the largest of the Balaenoptera are remaining in the area indicates relatively large planktonic concentrations in these northern waters. These large animals would leave unrich waters to seek food were it not abundant here.

Non-Grid

Observations are summarized in Table 8. The presence of large numbers of Sterna just outside the Grid near Point Ash is worthy of mention. All other interpretations are left to the reader if he will refer to Tables.

MARINE MAMMAL OBSERVATIONS - EAC 22
25 August - 5 September 1967

GRID

Identification	#	Latitude	Longitude	Time	Date	Remarks
Dall Porpoise	2	34°57' N	121°27' W	0635	26	Riding Bow
Right Whale Dolphin	150 ⁺	34°59' N	122°17' W	1115	26	Chased (tugs)
Right Whale Dolphin	50 ⁺	34°58' N	122°2' W	1230	26	Same as above ? Chased briefly
Seal sp.	1	34°56' N	122°45' W	1450	26	NE Eared, DK BR, 5'-6' long
Whale	1	34°54' N	123°07' W	1705	26	Humpy-Rel #2 "icecream cone"- 20' showed flukes and lots of back, a good splash too. Close, 1/3 mi. but only glimpsed.
<u>Delphinus</u>	75	34°53' N	123°16' W	1745	26	Chased into sun for 5 min. - did not follow ship; high dorsal, some appeared to have white in dorsal; others ?
<u>Orcinus orca</u>	25 ⁺	34°53' N	123°19' W	1815	26	2 "pure" albino, 1 [2?] mottled albino
Porpoise	25 ⁺	34°53' N	123° 19' W	1815	26	<u>Delphinus</u> ? With killers
Porpoise	20 ⁺	34°53' N	123°31' W	1932	26	Dall or <u>Delphinus</u> not chased. "Throwing themselves bodily thru the H ₂ O."
<u>Delphinus</u>	50 ⁺	34°20' N	126°27' W	1320	27	1 ♂ collected
Porpoise sp.	15 ⁺	34°12' N	126°18' W	1500	27	Glimpsed astern, half twists, may be <u>Delphinus</u> , not chased
<u>Delphinus</u> ?	50 ⁺	34°12' N	125°55' W	1705	27	4 mi. to port <u>Delphinus</u> -acting; not chased
Sperm Whale	1	34°12' N	125°36' W	1857	27	1 animal, many blows
Baleen Whale	1 ⁺	34°14' N	123°25' W	0658	28	W; far to port/Spout seen
Whale sp.	1	34°14' N	123°26' W	0705	28	ca. 4-5 mi. off stbd beam
Porpoise	30 ⁺	34°14' N	123°05' W	0907	28	<u>Delphinus</u> ? Not chased; high dorsal-type with much splashing; running hard
Seal sp.	1	34°13' N	122°57' W	0953	28	Head out of H ₂ O

Identification	#	Latitude	Longitude	Time	Date	Remarks
Baleen Whale				1155	28	60'
<u>Delphinus</u>	30 ⁺	34°13' N	122°38' W	1205	28	At least 1 w/white-type dorsal, did not ride bow, chased and fled
Sei.? Whale	2	34°12' N	122°20' W	1615	28	Ident. on basis of large dorsal
Baleen Whale	1	34°11' N	122°02' W	1648	28	No prominent blowhole or dorsal
FIN ? Whale	1	34°11' N	121°56' W	1735	28	3 Blows High, back seen
<u>Delphinus</u>	8	34°11' N	121°46' W	1845	28	Attracted to ship; rode off fantail, not jumping
Sperm Whale	1 ⁺	33°18' N	121°36' N	1323	29	Blow still angular against wind. very low when blowing down wind
Baleen Whale	1	33°17' N	121°48' W	1350	29	2 blows; high columnar, back bit mp dprsa;s seem
SEI (???) Whale	1 ⁺	33°17' N	121°57' W	1445	29	Small columnar blows
Sperm (?) Whale	1	33°16' N	122°03' W	1518	29	blows, being windswept
Baleen Whale	1	33°15' N	122°06' W	1537	29	Blue/SEI ?? No dorsal seen
<u>Delphinus</u>	60 ⁺	32°40' N	126°28' W	1845	30	Riding bow wide variation in color patterns (See logs)
<u>Delphinus</u>	9 ⁺	31°41' N	121°16' W	1100	1	At least 2 w/white in dorsal; one small animal
<u>Delphinus</u>	60 ⁺	31°38' N	125°27' W	1400	2	Chased w/skiff
<u>Delphinus</u> (?)	5 ⁺	31°33' N	125°59' W	1830	2	Distant; not jumping
<u>Delphinus</u>	150 ⁺	30°56' N	124°14' W	1320	3	30 came to bow; many had white markings on dorsal - majority w/little white (see log)
<u>Delphinus</u>	20 ⁺	30°55' N	123°49' W	1535	3	No white in dorsal
<u>Delphinus</u>	60	30°55' N	123°37' W	1645	3	No white in dorsal; 3 small animals behind
<u>Delphinus</u>	30 ⁺	30°54' N	123°29' W	1750	3	
<u>NON-GRID</u>						
<u>Delphinus</u>	4	32°37' N	118°00' W	0700	5	Rode bow for 4 min. 1 w/light in middle of dorsal

TABLE 1. Summary of Diurnal Observations, Eastern Grid Survey 12
26 August - 4 September 1967

	Number	% of Total	Birds/ Linear Mi.	Number Collected	No. Sera Samples
Black-footed Albatross	44	9.9	.046		
Pink-footed Shearwater	2	0.4	.002		
New Zealand Shearwater	1	0.2	.001		
Sooty Shearwater	3	0.6	.003		
Shearwater sp.	3	0.6	.003		
Cook's Petrel	3	0.6	.003	1	1
White-rumped Storm Petrel	94	20.7	.099	10	2
Dark-rumped Storm Petrel	15	3.3	.015		
Storm Petrel sp.	90	19.8	.094		
Shearwater/Petrel	9	2.0	.009		
Red-billed Tropicbird	2	0.4	.002		
Duck sp.	25	5.5	.026		
Semi-palmated Plover	2	0.4	.002		
Pectoral Sandpiper	2	0.4	.002		
Red Phalarope	65	14.3	.068	2	1
Phalarope sp.	16	3.5	.016		
Shorebird sp.	6	1.3	.006		
Parasitic Jaeger	1	0.2	.001		
Long-tailed Jaeger	1	0.2	.001	1	
Jaeger sp.	20	4.4	.021		
Gull sp.	4	0.8	.004		
Sterna sp.	6	1.3	.006		
Xantus Murrelet	1	0.2	.001		
Cassin Auklet	2	0.4	.002		
Alcids	5	1.1	.005		
Mourning Dove	7	1.5	.007	1	
Band-tailed Pigeon	2	0.4	.002	1	
Brown-headed Cowbird	2	0.4	.002	1	
Bullock's Oriole	1	0.2	.001		
Passerine sp.	5	1.1	.005		
Bird sp.	16	3.5	.016		
	454	99.6	0.474	17	4

TABLE 2. Daily Summary of Observations, Diurnal, Eastern Grid Survey 12
26 August - 4 September 1967

	# Birds	# Miles	# Hours	Linear density	# Species
26 August	111	79	10.5	1.405	12
27	41	113	12.9	0.362	7
28	59	92	11.1	0.641	8
29	42	78	8.3	0.538	6
30	18	116	12.9	0.155	6
31	34	117	12.8	0.290	9
1 September	51	132	13.3	0.386	8
2	72	91	12.9	0.791	7
3	20	118	11.9	0.169	8
4	4	21	2.5	0.190	2
	452	957	109.1	0.473	21

TABLE 3. Summary of Nocturnal Observations, Eastern Grid Survey 12
26 August - 4 September 1967

	26	27	28	29	30	31	1	2	3	
Cooks ¹ Petrel				-	-	2	-	-	-	
Storm Petrel				-	1	1	-	2	-	
Red Phalarope				1	7	25 ⁺ 5	-	-	-	
Jaeger sp.				-	1	1	-	-	-	
Bird sp.				1	-	-	-	-	1	
Total				2	9	29	0	2	1	43
# Hours	0	0	0	2	2.5	2.5	2	2	2	13.0
# Miles	0	0	0	20	23	0	0	14	5	62

TABLE 4. Sectional Abundance of Species Groups E.G.S. 12
26 August - 4 September 1967

			E	11
1	2	3		
4	5	6		
7	8	9		

Group	Areas									Total
	1	2	3	4	5	6	7	8	9	
Albatross	4	3	5	7	8	17	5	9	7	68*
Shearwater/Petrel	10	2	2	1	1	-	-	2	1	19
Storm Petrel	13	21	48	9	4	6	52	16	31	198
Tropicbird	-	-	-	-	-	-	-	2	-	2
Phalaropes	5	28	23	-	-	24	1	-	-	81
Jaegers	6	4	5	1	-	1	-	2	3	22
Gull	-	1	3	-	-	-	-	-	-	4
Tern	-	-	1	-	-	5	-	-	-	6
Alcid	-	-	5	-	-	3	-	-	-	8
Misc.	3	19	7	1	13	12	4	5	2	66
										450

* Not adjusted

TABLE 5. Sectional Densities of Species Groups, E.G.S. 12
26 August - 4 September 1967

	Areas									Total
	1	2	3	4	5	6	7	8	9	
Albatross	.035	.035	.059	.060	.070	.175	.047	.080	.055	.046*
Shearwater/Petrel	.088	.024	.023	.009	.009	-	-	.018	.008	.019
Storm Petrel	.114	.243	.563	.078	.035	.062	.485	.141	.244	.206
Tropicbird	-	-	-	-	-	-	-	.018	-	.002
Phalaropes	.043	.325	.270	-	-	.247	.010	-	-	.085
Jaeger	.053	.046	.059	.009	-	.010	-	.018	.024	.023
Gull	-	.011	.035	-	-	-	-	-	-	.004
Tern	-	-	.012	-	-	.052	-	-	-	.006
Alcid	-	-	.060	-	-	.031	-	-	-	.008
Misc.	.026	.223	.082	.009	.113	.123	.036	.046	.016	.069
										.470

* Based on total of 44 birds

TABLE 6. North, Central, South Breakdown of E.G.S. 12
26 August - 4 September 1967

Species	Number			Linear density		
	N	C	S	N	C	S
Black-footed Albatross	12	32	24	.042	.098	.070
Pink-footed Shearwater	2	-	-	.007	-	-
New Zealand Shearwater	1	-	-	.004	-	-
Sooty Shearwater	2	1	-	.007	.003	-
Shearwater sp.	1	-	2	.004	-	.006
Cook's Petrel	-	1	2	-	.003	.006
White-rumped Storm Petrel	44	0	41	.155	.027	.119
Dark-rumped Storm Petrel	14	-	1	.049	-	.003
Storm Petrel sp.	24	10	56	.084	.030	.162
Shearwater/Petrel	8	-	1	.028	-	.003
Red-billed Tropicbird	-	-	2	-	-	.006
Duck sp.	17	8	-	.060	.024	-
Semipalmated Plover	-	1	1	-	.003	.003
Pectoral Sandpiper	-	1	-	-	.003	-
Red Phalarope	43	21	1	.151	.064	.003
Phalarope sp.	13	3	-	.045	.000	-
Shorebird sp.	3	1	2	.011	.003	.006
Parasitic Jaeger	-	1	-	-	.003	-
Long-tailed Jaeger	1	-	-	.004	-	-
Jaeger sp.	14	1	5	.049	.003	.014
Gull sp.	4	-	-	.014	-	-
Tern sp.	1	5	-	.004	.015	-
Xantus Murrelet	1	-	-	.004	-	-
Cassins Auklet	2	-	-	.007	-	-
Alcid	2	3	-	.007	.009	-
Mourning Dove	-	5	2	-	.015	.006
Band-tailed Pigeon	-	1	1	-	.003	.003
Brown-headed Cowbird	-	-	1	-	-	.003
Bullock's Oriole	-	1	-	-	.003	-
Passerine sp.	3	-	2	.011	-	.006
Bird sp.	6	7	3	.011	.021	.009
Total	218	111	147	.767	.338	.426

TABLE 7. East, Center, West Breakdown of E.G.S. 12
26 August - 4 September 1967

Species	Number			Linear density		
	W	C	E	W	C	E
Black-footed Albatross	19	20	29	.057	.064	.094
Pink-footed Shearwater	1	1	-	.003	.003	-
New Zealand Shearwater	1	-	-	.003	-	-
Sooty Shearwater	0	1	2	-	.003	.006
Shearwater sp.	1	1	-	.003	.003	-
Cook's Petrel	1	-	-	.003	-	-
White-rumped Storm Petrel	27	16	51	.081	.051	.165
Dark-rumped Storm Petrel	2	7	6	.006	.022	.019
Storm Petrel sp.	44	18	28	.131	.057	.091
Red-billed Tropicbird	-	2	-	-	.006	-
Duck sp.	-	17	-	-	.054	-
Semipalmated Plover	-	2	-	-	.006	-
Pectoral Sandpiper	-	1	-	-	.003	-
Red Phalarope	4	24	37	.012	.076	.120
Phalarope sp.	2	4	10	.006	.013	.032
Shorebird sp.	2	-	4	.006	-	.012
Parasitic Jaeger	1	-	-	.003	-	-
Long-tailed Jaeger	-	1	-	-	.003	-
Jaeger sp.	6	5	9	.018	.016	.029
Gull sp.	-	1	3	-	.003	.010
Tern sp.	-	-	6	-	-	.019
Xantus Murrelet	-	-	1	-	-	.003
Cassin Auklet	-	-	2	-	-	.006
Alcid	-	-	5	-	-	.016
Mourning Dove	-	1	5	-	.003	.016
Band-tailed Pigeon	-	1	1	-	.003	.003
Brown-banded Cowbird	1	1	-	-	.003	.003
Bullock's Oriole	-	1	-	-	.003	-
Passerine sp.	2	1	2	.006	.003	.006
Bird sp.	4	3	9	.012	.010	.029
Total	126	131	211	.377	.417	.683

TABLE 8. Summary of Non-Grid Observations, EAC 22, 25 August-5 September 1967

	Vicinity				Total
	L.B.-Anacapa	Pt. Ash	Pt. Oak	Arrive S.D.	
	0850-1400Z	0633-0922	0945-1740	0648-0945	
	25 Aug.	26 Aug.	5 Sept.	5 Sept.	
Black-footed Albatross		1		2	3
Sooty Shearwater		6		2	8
Pink-footed Shearwater	10			4	14
Shearwater sp.				4	4
Total Shearwater					26
White-rumped Storm Petrel		9	4		13
Dark-rumped Storm Petrel			1		1
Storm Petrel sp.		13	3		16
Total Storm Petrel					30
Br. Pelican	9			12	21
Cormorant sp.	1				1
Duck sp.				4	4
Red Phalarope	2				2
Northern Phalarope	15	5		13 (many close to S.D.)	33
Phalarope sp.	110 (North.)	4		1	115
Total Phalarope					150
Shorebird sp.		10			10
Jaeger sp.	2	6	1	1	10
Western Gull	11			78	89
Herring Gull	1				1
Heermans' Gull	1				1
Sabine Gull	2				2
Gull sp.	32				32
Total Gull					125
<u>Sterna</u> sp.		22			22
Alcid sp.		2			2
Mourning Dove			1	14	15
Passerine		1 (Cowbird)		8	9
Bird sp.		5	3	2	10
Total Bird	196	84	13	145	438
# Miles	56	38	55	46	195
# Species	10	8	3	11	17
# Hours	5.2	2.8	6.2	3.0	17.2

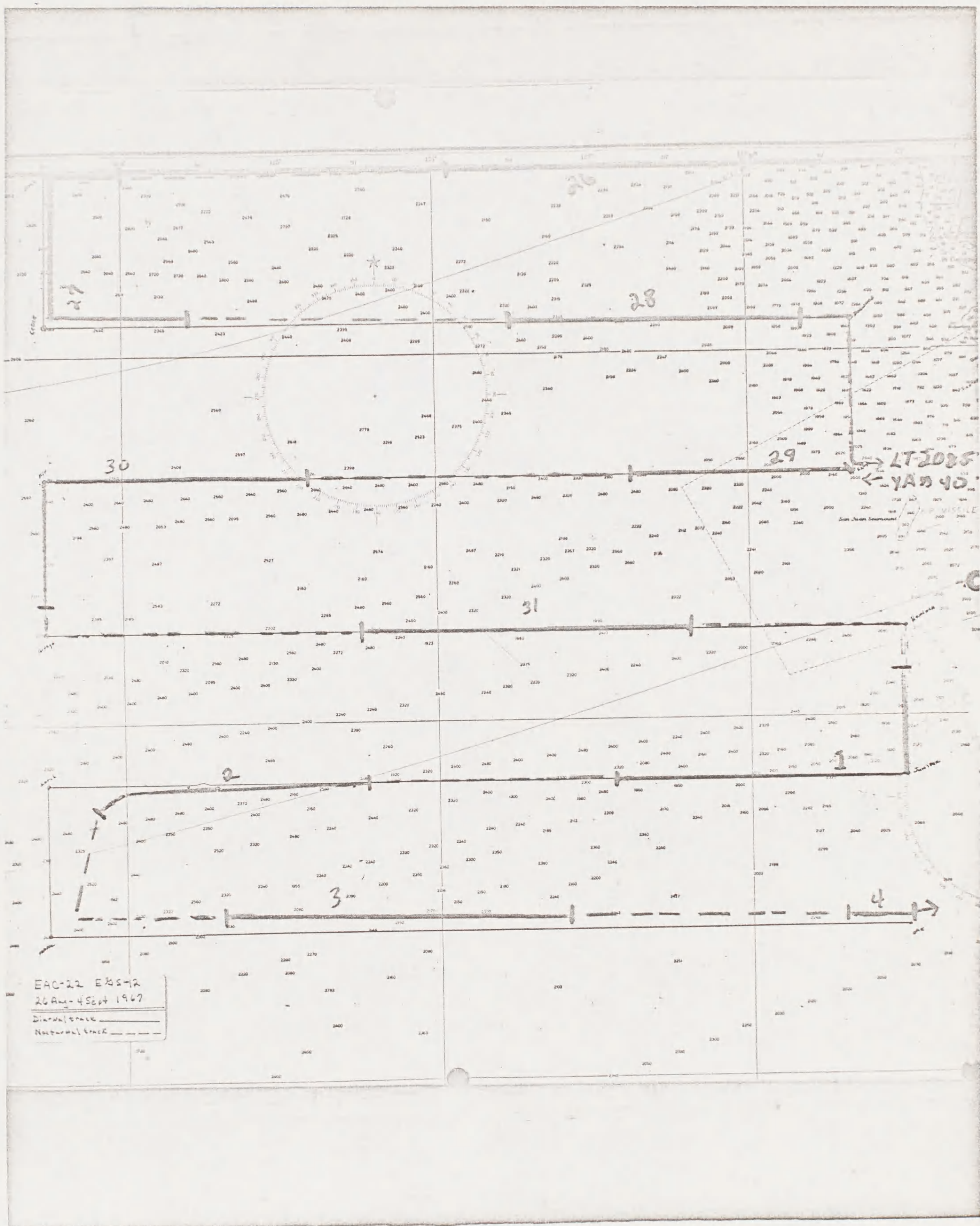


Figure 6.

